



**Federal Communications Commission
Experimental Licensing System
Web User's Manual**

Contract Number CON01000008
Task 2000-04

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FINAL

Version 1.0

November 2001

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1. Introduction

This document provides the user with preliminary and general information that will be of assistance in using the Experimental Licensing System (ELS) WEB application. Included are procedures for:

- ◆ Applying for a new Radio Station Authorization
- ◆ Requesting for modifications to an existing Experimental License
- ◆ Applying for renewal of a current Experimental License
- ◆ Applying for Special Temporary Authority
- ◆ Renew a Special Temporary Authority application
- ◆ Request an assignment of one or more licenses
- ◆ Submitting and responding to correspondence

1.1 OET Experimental Licensing System Web Site

The OET Experimental Licensing System web site allows the public to electronically file Forms 442, 405, 702, 703, request for Special Temporary Authority (STA) and include all necessary exhibits. In addition, several reporting options are also available. The web address is <http://www.fcc.gov>.

To access the OET Experimental Licensing System web page, from the FCC's web page, click on the [E-filing](#) hyperlink; when the FCC Electronic Filing and Public Access Systems page opens, click on the [OET Experimental Licensing Branch Electronic Filing Site](#) hyperlink. Clicking on the [Alternate Server](#) hyperlink in the same paragraph will also access this site.

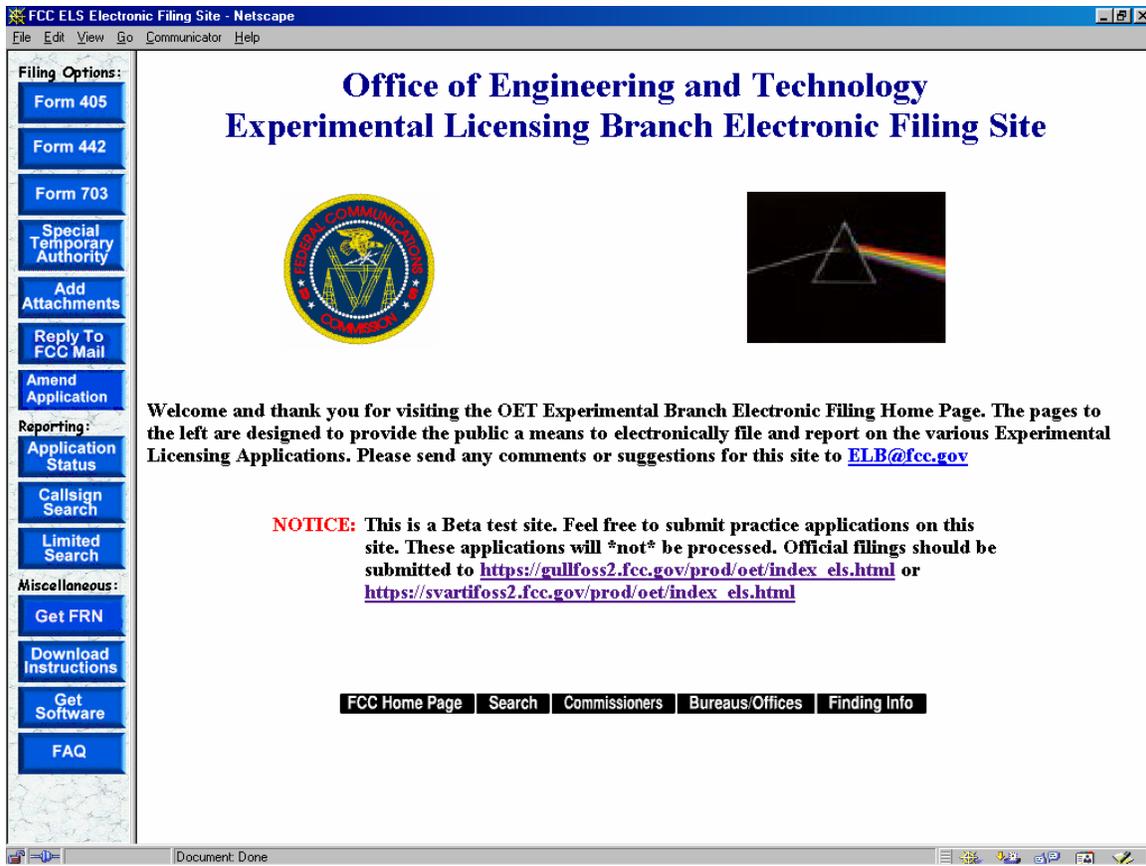


Exhibit 1-1 OET Experimental Licensing Branch Home Page

1.2 System Messages

System messages appear at the bottom of the ELS home page. These messages provide users with important notifications regarding the ELS system.

1.3 System Requirements

The minimum requirements to run the ELS web application are as follows:

- 486/66 or better microprocessor
- 8 MB or higher RAM
- 15" monitor
- ¹Netscape 4.03 or higher
- Internet Explorer 4.0 or higher

¹ Earlier versions of these browsers may be used to run only the reporting features of this website.

2. Experimental Licensing System Web Application

Welcome to the World Wide Web based application for the Experimental Licensing System. From this application, users have the ability to:

- ◆ Apply for a new Radio Station Authorization
- ◆ Request modifications to an existing Experimental License
- ◆ Apply for a renewal of a current Experimental License
- ◆ Apply for a Special Temporary Authority
- ◆ Renew a Special Temporary Authority application
- ◆ Request an assignment of one or more licenses
- ◆ Reply and submit Correspondence sent by the OET Experimental Licensing Branch

2.1 Completing an Application for New or Modified Radio Station (FORM 442)

To apply for a new or modified Radio Station Authorization, a FCC Form 442 must be completed.

To apply for a new or modified Radio Station Authorization, click on the **FORM 442** button. This will open a screen, which will allow you to either apply for a new license or request modification pertaining to an existing license. At this point, you may also indicate whether confidentiality is requested for this particular application.

Exhibit 2-1 Form 442 Sign-In (for entry into Form 442)

Before proceeding to the application, please enter the following information:

Field	Definition
Application Type	
New License	Select this option if the authorization is for a new license.
Modification	Select this option if modifying an existing authorization. It will be necessary to specify the callsign of the existing license.
Confidentiality	
Confidentiality	If portions of the application being filed are to be considered confidential, click on the YES button. If no portion of the application being filed is to be considered confidential, click on the NO button. NOTE: If you respond "YES", an exhibit stating why confidentiality is requested must be submitted.
FCC Registration Number (FRN)	
FRN Number	Enter the 10 digit numeric code obtained when first registered with FCC. To obtain an FRN number, click on the Get FRN Number button.

Once all the fields have been filled in, click on the **CONTINUE** button. The application will verify that all the required fields were completed. If any of the required fields were not filled in, a window will appear stating the missing required field(s).

For modifications of existing licenses, the form will appear pre-filled with demographic and equipment information from the existing license. Any fields displayed are not modifiable by the applicant.

Form 442 is broken up into five screen shots with a brief description of each of the fields that the user needs to complete.

The first portion of Form 442 contains Items 1 through 5. The majority of the necessary information for Items 1 through 5 will pre-populate with the assigned grantee code information. This information can not be modified. If modifications are required contact the OET Experimental Licensing Branch with the incorrect and correct information, at the following address:

Federal Communications Commission

Office of Engineering and Technology Experimental Licensing Branch
445 12th Street, SW
Washington, D.C. 20554

or send an email to ELB@fcc.gov.

The first portion of Form 442 contains Items 1 through 5.

Exhibit 2-2 Form 442 Items 1 through 5

The following fields appear on the form:

Field	Definition
Item 1 – Applicant’s complete, legal business name:	
Applicant’s Name	Enter the full name of the applicant. For modification of existing licenses, this field is pre-filled.
Item 2 – Applicant’s mailing address:	
Attention:	Enter the full name of the contact person. For modification of existing licenses, this field is pre-filled.
Street Address	Enter the street address of the applicant. For modification of existing licenses, this field is pre-filled.
P.O. BOX	If a post office box is provided, enter it into this field. For modification of existing licenses, this field is pre-filled.
City	Enter the applicant’s city in this field. For modification of existing licenses, this field is pre-filled.
State	Enter the applicant’s state in this field. For modification of existing licenses, this field is pre-filled.
Zip/Postal Code	Enter the zip and/or postal code of the applicant in this field. For modification of existing licenses, this field is pre-filled.
Item 3 – Application Type	
Application Type	If this is a new application, this field will be pre-filled with “New Station.
Modification	If this is a modification to an existing license, this section is pre-filled with the file number of the application that resulted in the

Field	Definition
	current license to be granted. In addition, the callsign of current license is also pre-filled. If it's a new license being requested, this area is left blank. This section is not modifiable by the applicant.
Item 4 – Government Requirement	
Government Requirement	<p>Click on the appropriate button in response to the question. If the answer to this question is YES, please submit a narrative statement describing the government project, agency and contract number.</p> <p>Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter "<i>QUESTION 4: STATEMENT REGARDING GOVERNMENT CONTRACT</i>" in the description field and select "<i>Text Documents</i>" as the document type.</p>
Item 5 – Statement of Foreign Government	
Foreign Government	<p>Click on the appropriate button in response to the question. If the answer to this question is YES, please provide the contract number and the name of the foreign government concerned as an exhibit. Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter "<i>QUESTION 5: STATEMENT OF FOREIGN GOVERNMENT USE</i>" in the description field and select "<i>Text Documents</i>" as the document type.</p>

The second portion of Form 442 contains Items 6 through 9.

Exhibit 2-3 Form 442 Items 6 through 9

The following fields appear on the form:

Field	Definition
Item 6 – Statement of Research Project:	
Research Project	<p>Click on the appropriate button in response to the question. If the answer to this question is YES, please provide an exhibit with the following information: A description of the nature of the research project being conducted, a showing that the communications facilities requested are necessary for the research project involved, and a showing that existing communications facilities are inadequate. Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter <i>"QUESTION 6: STATEMENT OF RESEARCH PROJECT"</i> in the description field and select <i>"Text Documents"</i> as the document type.</p>

Item 7 – Purpose of Experiment:	
Purpose of Experiment	<p>If the answers to Items 4, 5, and 6 are “NO” include as an exhibit a narrative statement describing in detail the following items:</p> <ol style="list-style-type: none"> The complete program of research and experimentation proposed including description of equipment and theory of operation. The specific objectives sought to be accomplished. How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated. <p>Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter "<i>QUESTION 7: PURPOSE OF EXPERIMENT</i>" in the description field and select "<i>Text Documents</i>" as the document type.</p>
Item 8 – Estimated Experiment Duration:	
Estimated Experiment Duration	<p>Enter an estimate of time that will be required to complete the program of experimentation proposed in this application. Select from the drop down menu whether the estimate is in Years or Months.</p>
Item 9 – Environmental Impact Question:	
Environmental Impact	<p>Click on the appropriate button in response to the question. If the answer to this question is YES, please provide an exhibit with the Environmental Assessment. Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter "<i>QUESTION 9: STATEMENT OF ENVIRONMENTAL IMPACT</i>" in the description field and select "<i>Text Documents</i>" as the document type.</p>

The third portion of Form 731 contains Items 10 through 15.

The screenshot shows a web browser window titled "FCC ELS Electronic Filing Site - Microsoft Internet Explorer". On the left is a navigation menu with buttons for "Form 405", "Form 442", "Form 702", "Form 703", "Special Temporary Authority", "Add Attachments", "Reply To FCC Mail", "Amend Application", and "Reporting: Application Status". The main content area displays the following items:

- Item 10:** A table with 4 columns: MANUFACTURER, MODEL NUMBER, NO. OF UNITS, and EXPERIMENTAL?. Each row has input fields for the first three columns and radio buttons for "Yes" and "No" in the last column.
- Item 11:** A question: "Is the equipment listed in Item 10 capable of station identification pursuant to Section 5.152?" with "Yes" and "No" radio buttons.
- Item 12:** A question: "Applicant is:" with radio buttons for "INDIVIDUAL", "ASSOCIATION", "PARTNERSHIP", "CORPORATION", and "OTHER". Below it, a text field for a narrative statement is indicated.
- Item 13:** A question: "Is applicant a foreign government or a representative of a foreign government?" with "Yes" and "No" radio buttons.
- Item 14:** A question: "Has applicant or any party to this application had any FCC station license or permit revoked or any application for permit, license or renewal denied by this Commission?" with "Yes" and "No" radio buttons. Below it, a text field for a statement is indicated.
- Item 15:** A question: "Will applicant be owner and operator of the station?" with "Yes" and "No" radio buttons.

Exhibit 2-4 Form 442 Items 10 through 15

The following fields appear on the form:

Field	Definition
Item 10 – Transmitting Equipment:	
Transmitting Equipment	Indicate all transmitting equipment that will be used in this experiment. At least one line of transmitting equipment must be entered before the application will be accepted. For each row of transmitting equipment, specify the manufacturer, number of units and whether it is for experimental use. The model number field is optional
Item 11 – Station Identification:	
Station Identification	Click on the appropriate button in response to the question. Refer to Section 5.152 of the FCC Rules for information.
Item 12 – Applicant Identification	
Applicant Identification	Click on the appropriate button that best describes the applicant. If the answer to this question is OTHER, please provide a narrative statement describing the type of applicant. Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button. NOTE: When submitting this exhibit, please enter "QUESTION 12: STATEMENT OF APPLICANT CLASSIFICATION" in the description field and select the type of document as "Text Documents".
Item 13 – Foreign Government:	
Foreign Government	Click on the appropriate button in response to the question.

Field	Definition
	NOTE: Foreign governments may not apply for a new license or modification of license.
Item 14 – Revoked or Denied License/Permit	
Revoked or Denied License/Permit	Click on the appropriate button in response to the question. If the answer to this question is YES, please provide an exhibit containing the call sign of the license or permit revoked and the related circumstances. Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button. NOTE: When submitting this exhibit, please enter <i>“QUESTION 14: STATEMENT OF PREVIOUS LICENSE DENIAL/REMOVAL”</i> in the description field and select <i>“Text Documents”</i> as the document type.
Item 15 – Owner and Operator	
Owner and Operator of the station	Click on the appropriate button in response to the question.

The fourth portion of Form 442 contains Items 16 through 17.

The screenshot shows a web browser window titled "FCC ELS Electronic Filing Site - Microsoft Internet Explorer". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". On the left side, there is a "Filing" sidebar with "Options:" and buttons for "Form 405", "Form 442", "Form 702", "Form 703", "Special Temporary Authority", and "Add Attachments". The main content area displays two items:

16. Give the following information of person who can best handle inquiries pertaining to this application:
 * Last Name: _____
 * First Name: _____
 * Title: _____
 * Phone Number (include area code): _____
 E-Mail Address: _____

17. * APPLICANT ANTI-DRUG ABUSE CERTIFICATION:
 By checking "YES", the individual applicant certifies that he or she is eligible for this license. This requires that he or she is not subject to a denial of federal benefits, including FCC benefits, as a result of a drug offense conviction pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862. A non-individual applicant, e.g., corporation, partnership or other unincorporated association, certifies that no party to the application is subject to a denial of federal benefits, pursuant to that section. For definition of a "party" for these purposes, see 47 CFR 1.2002(b). Yes No

Exhibit 2-5 Form 442 Items 16 through 17

Field	Definition
Item 16 – Contact Information	
Last Name	Enter the contact's last name.
First Name	Enter the contact's first name.
Title	Enter the contact's title (e.g., Senior Product Engineer).
Telephone Number	Enter the contact's complete telephone number. This is an alpha-numeric field. Enter the contact's telephone extension.
Email Address	Enter the contact's e-mail address. The e-mail address format is as follows: name@company.ext
Item 17 – (Anti-drug abuse) Certification	
Drug Certification	Click on the appropriate checkbox in response to the question.

The fifth portion of Form 442 contains Item 18. The applicant is required to enter their name in order to submit this application. This will be accepted as the applicant's signature. In addition, please indicate the classification that best describes the person signing the application. If applicable, please specify the applicant's title within the organization holding the current license. By signing this application, the applicant certifies they have read and complied with the statements listed in the certification section of this application.

18. CERTIFICATION:
THE APPLICANT CERTIFIES THAT:

- a. Copies of the FCC Rule Parts 2 and 5 are on hand; and
- b. Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and
- c. All operations will be on an experimental basis in accordance with Part 5 and other applicable rules, and will be conducted in such a manner and at such a time as to preclude harmful interference to any authorized station; and
- d. Grant of the authorization requested herein will not be construed as a finding on the part of the Commission:
 - 1. that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and
 - 2. that the applicant will be authorized to operate on any basis other than experimental, and
 - 3. that the Commission is obligated by the results of the experimental program to make provision in its rules including its table of frequency allocations for applicant's type of operation on a regularly licensed basis.

THE APPLICANT FURTHER CERTIFIES THAT:

- e. All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- f. The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- g. The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

Name of Applicant:

* Signature (Authorized person filing form): _____ Signature Date (Authorized person filing form): 07/19/2001

* Title of Person Signing Application:

* Check appropriate classification:
 Individual Applicant Member of applicant partnership
 Authorized employee Office of applicant corporation or association

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specified by Section 308 therein. The information will be used by Federal Communications Commission staff to determine eligibility for issuing authorizations in the use of the frequency spectrum and to effect the provisions of regulatory responsibilities rendered by the Commission by the Act. Information requested by this form will be available to the public unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Regulations. Your response is required to obtain this authorization.

Public reporting burden for this collection of information is estimated to average four (4) hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0065), Washington DC 20554. **DO NOT send completed applications to this address.** Individuals are not required to respond to this collection unless it displays a currently valid OMD control number.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

Continue Clear Screen

Exhibit 2-6 Form 442 Item 18

The following fields appear on the form:

Field	Definition
Item 18 – Applicant Certification	
Signature of Authorized Person	Enter the name of the authorized person.
Title of Authorized Person	Enter the title of the authorized person signing the application (i.e., Senior Product Engineer).
Classification of Authorized Person	Click on the appropriate button in response to the question.

After successful submittal of the Form 442 Application, a Form 442 Confirmation Number will be assigned to the application. The confirmation number will be required when adding exhibit attachments; and replying to correspondence from OET.



Exhibit 2-7 Form 442 Confirmation Page

The following buttons appear on the form:

Button	Action
Technical Data	Click this button to begin entering technical data.

2.2 Antenna Registration

Application Form 442 will not be considered complete until the antenna registration form is entered.

The antenna registration is initiated immediately after completing Form 442 by clicking on the **TECHNICAL DATA** button. This registration form is used to add, modify or delete antenna information from the application.

The screenshot shows a web browser window titled "FCC ELS Electronic Filing Site - Microsoft Internet Explorer". The main content area displays the "Federal Communications Commission" logo and a notice: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." Below this is the "ANTENNA REGISTRATION FORM FOR FILE NUMBER: 0214-EX-PL-2001".

The form is divided into several sections:

- 1. * The purpose of this application is to:**
 - Add this antenna to the application/license
 - Edit data pertaining to this antenna
 - Delete this antenna from the application/license
- 2a. * Proposed location of transmitter and transmitting antenna:**
 - FIXED/BASE MOBILE BASE AND MOBILE
- 2b. If permanently located at a FIXED location, give below:**
 - State: [dropdown] County: [text] City or Town: [text]
 - Number and street (or other indication of location): [text]
- 2c. If mobile, describe the exact area of operation:** [text]
- 2d. * If fixed, enter the geographical coordinates exact to the nearest second. If mobile or base and mobile, enter either the area of operation or the fixed/center coordinates and the radius of operation.**
 - North Latitude(DD-MM-SS): [text] West Longitude(DDD-MM-SS): [text] Radius of Operation: Km [text]
- 3. * Datum:**
 - NAD 27 NAD 83
- 4. * Is a directional antenna (other than radar) used? If "YES", give the following information:**
 - (a) Width of beam in degrees at the half-power point: [text] Yes No
 - (b) Orientation in horizontal plane: [text]
 - (c) Orientation in vertical plane: [text]

Exhibit 2-8 Antenna Registration Form Items 1 through 3

The following fields appear on the form.

Field	Definition
Purpose of Application	Click on the appropriate button in response to the question. Indicate the type of action to be performed for this antenna. If this is a new antenna, the ADD ANTENNA button will be pre-selected. If this is an existing antenna, the only options available will be to modify or delete this antenna. NOTE: Deletions of antenna data from the existing license will not occur once this application is submitted. The FCC will perform deletions once the deletions have been reviewed and

Field	Definition
	granted.
Proposed Location	<p>Click on the appropriate button in response to the question. Indicate the intended location of the transmitter and transmitting antenna.</p> <p>NOTE: If you indicated that this antenna is Fixed/Base or Base/Mobile then Question 2B must be completed.</p>
Fixed/Base and Base/Mobile Location Information	Select the state from the drop down menu. Then specify the county and as accurately as possible, the street address, city or town where the antenna exists.
Mobile Area of Operation	<p>Describe the exact area of operation.</p> <p>NOTE: This field should be left blank if the antenna is not mobile.</p>
Geographical Coordinates	<p>If this is a fixed antenna, please enter the coordinates to the exact second and leave the radius of operation field blank. If it is a mobile or Base/Mobile antenna, please enter either the area of operation or the fixed/center coordinates and the radius of operation. Coordinates (latitude and longitude) should be accurate within +/- 5 m of the National Spatial Reference System.</p> <p>NOTE: If coordinates entered are based on South Latitude and East Longitude, please submit them as an exhibit along with this application.</p>
Datum Used	<p>Specify the Datum used in determining the geographical coordinates.</p> <p>NOTE: The latitude and longitude for locations in the United States and the Caribbean Islands must be referenced to either the North American Datum of 1927 (NAD 27) or 1983 (NAD 83). The FCC encourages all applicants to use NAD 83 when determining the geographical coordinates.</p>

Exhibit 2-9 Antenna Registration Form Items 4 through 5

The following fields appear on the form.

Field	Definition
Directional Antenna	Enter the width of beam in degrees at the half-power point, orientation in horizontal plane, and the orientation in vertical plane.
Antennas that extend past Six Meters	<p>Click on the appropriate button in response to the question. If the answer to this question is YES, analyze the structures pursuant to Part 17, Subpart B, of the FCC rules, to determine if notification to the Federal Aviation Administration (FAA) is required. If notification is required, submit FAA Form 7460-1, (Notice of Proposed Construction of Alteration) to one of the FAA Regional Offices listed on FCC Form 854, (Request for Antenna Height Clearance and Obstruction Marking and Lighting Specifications). Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter "QUESTION 5: ANTENNA VERTICAL PROFILE SKETCH" in the description field and select the type of document as "Text Documents".</p>

To submit the Antenna Registration Form click on the **SUBMIT** button. If all required fields have not been entered an error message will display.

If the form passes validation, a confirmation screen will appear indicating the success of the submission.



Exhibit 2-10 Antenna Registration Confirmation Notice

The following buttons appear on the form:

Button	Action
Add/Edit Frequencies	Click this button to add/edit frequency information for this antenna.
Add/Edit Antennas	Click this button to add/edit other antennas associated with this application.

2.2.1 Adding/Editing Antennas

The add/edit antenna process is initiated immediately after completing the Antenna Registration Form by clicking on the **ADD/EDIT ANTENNAS** button.

A list of antennas associated with the license/authorization appears.

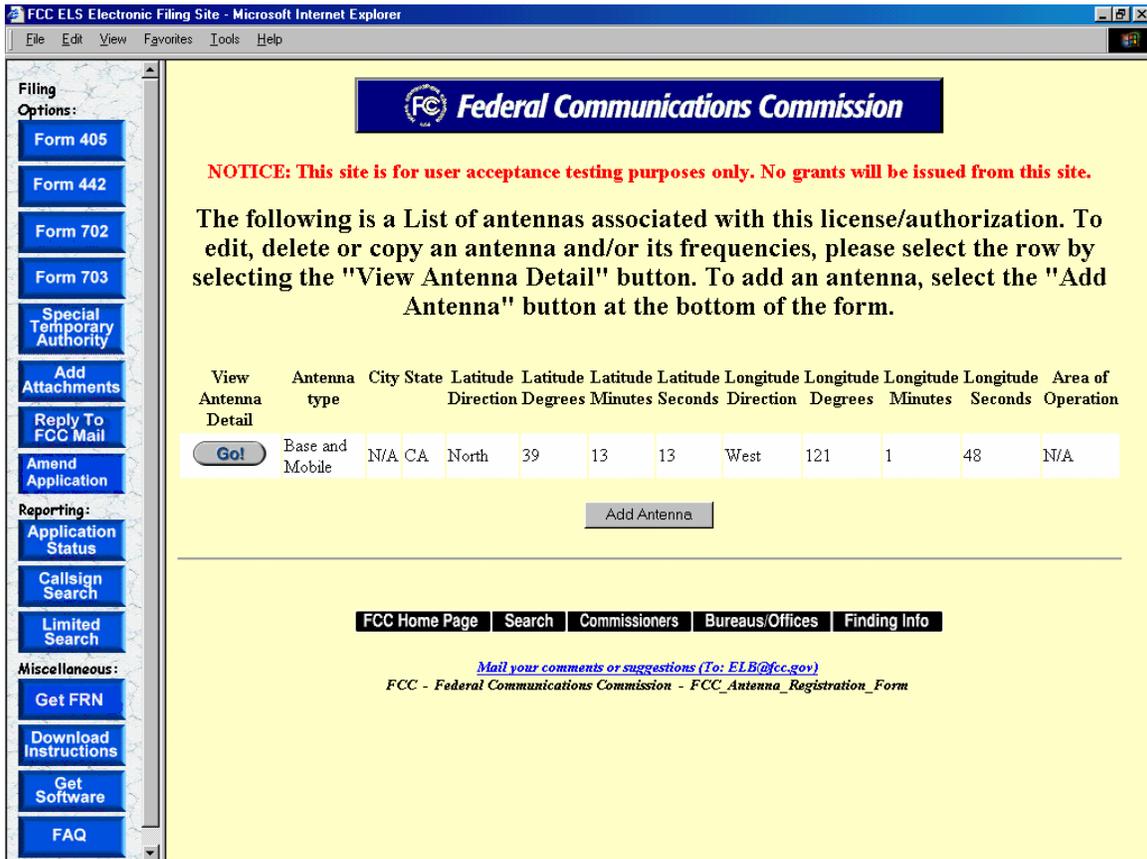


Exhibit 2-11 Antenna List

To edit, delete or copy an antenna click on the **GO** button associated with the antenna. To add an antenna, select the **ADD ANTENNA** button at the bottom of the form.

2.2.2 Adding/Editing Frequencies

The add/edit frequency process is initiated immediately after completing the Antenna Registration Form by clicking on the **ADD/EDIT FREQUENCY**.

The Antenna Frequency Registration form appears.

Exhibit 2-12 Antenna Frequency Registration Form

The following fields appear on the form.

Field	Definition
Action to Perform	Select from the drop down list the intended action for the frequency or emission. All unmodified or blank rows are pre-filled with action equal to "None". NOTE: If the Action Type is left blank for a new frequency or emission data, the field will default to "Add" when submitted to the FCC. Also, deletions of existing frequency and emission data on the current license or STA are not performed until the application has been reviewed and approved by the FCC.
Frequency Range	Enter discrete frequencies in the first frequency blank provided. Then select from the drop down list the units.

Field	Definition
Power Output	Enter the maximum R.F. power at the transmitter terminals. Then select from the drop down list the units.
Effective Radiated Power (ERP)	Enter the maximum effective radiated power from the antenna (if pulsed emission, specify peak power). Then select from the drop down list the units.
Mean or Peak	Select from the drop down list the level of power measured (see definitions in Part 5 of the FCC rules).
Tolerance	Enter the applicable level of tolerance as a percentage of carrier frequency.
Station Class	Select from the drop down list the class of station applicable to this frequency.

The following buttons appear on the form:

Button	Action
Proceed to Emissions Entry	Click this button to submit frequency information and to proceed to emissions entry.
Clear Screen	Click this button to clear the current screen.
Add More Frequencies	Click this button to add additional frequency information for an antenna.

2.2.3 Emissions Entry

The emissions entry process is initiated immediately after completing the Frequency Registration Form by clicking on the **PROCEED TO EMISSIONS ENTRY**.

The Emissions Registration form appears.

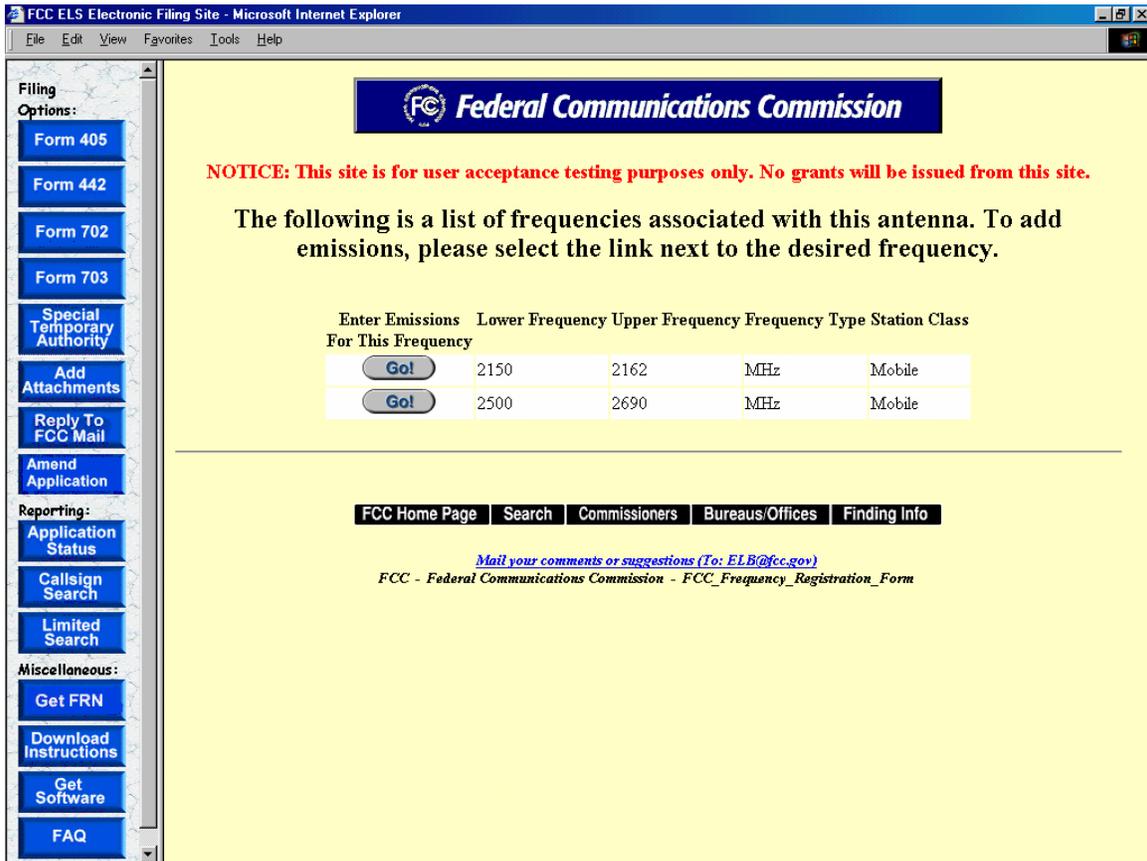


Exhibit 2-13 Emissions Registration Form

To add emissions click on the **GO** button associated with the desired frequency.

Exhibit 2-14 Emissions Entry Form

The following fields appear on the form.

Field	Definition
Action to Perform	Select from the drop down list the intended action for the emission. NOTE: If the Action Type is left blank for emission data, the field will default to “Add” when submitted to the FCC. Also, modifications or deletions of existing emission data on the current license or STA are not performed until the application has been reviewed and approved by the FCC.
Emission Designator	Select one value from each of the 3 drop down list. Please refer to section 2.201 of the FCC Rules for details. NOTE: Data submitted to the FCC will be determined from these fields plus the value of the modulating signal entered.
Modulating Signal	Insert as appropriate the maximum speed for keying in bauds, maximum audio modulating frequency, frequency deviation of carrier, pulse duration and repetition rate.

Field	Definition
Necessary Bandwidth	Indicate the necessary bandwidth measurement and indicate the units selecting one of the values in the drop down list. Submit an exhibit describing how the necessary bandwidth was calculated for all the indicated frequencies

To include the emissions added to other frequencies associated with this antenna, select from the list.

The following buttons appear on the form:

Button	Action
Continue	Click this button to submit the emissions entered.
Clear Screen	Click this button to clear the current screen.
Add More Emission to this Frequency	Click this button to add additional emissions information to this frequency.

The form will be validated and a confirmation window will appear.



Exhibit 2-15 Emissions Confirmation Page

The following buttons appear on the confirmation window:

Button	Action
Add More Emissions	Click this button to add additional emissions.
Add More Frequencies	Click this button to add additional frequency information for an antenna.
Add/Edit Antennas	Click this button to add/edit other antennas associated with this application.
Add Exhibits	Click this button to add and submit exhibits.
Complete Submissions	Click on this button to complete the submission.

2.3 Completing an Application for Experimental Licensing Renewal (FORM 405)

To apply for an Experimental License Renewal, a FCC Form 405 must be completed. Renewals for a license will be accepted only within 90 days before or after it's experimentation date.

To apply for an Experimental License Renewal, click on the **FORM 405** button. This will open a screen, requesting the callsign of the license being renewed.

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area has a yellow background and features the Federal Communications Commission logo at the top. A red notice states: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." Below this is the title "Experimental Licensing Renewal Form (Form 405)".

The form prompts the user: "Before completing the renewal form, please specify the following information:"

There are two input fields: "Callsign: *" and "FCC Registration Number (FRN):". Below these fields is a note: "NOTE: The FRN is not required at this time. However, it will be required at a later date in order to file this application. You are strongly encouraged to obtain and specify the FRN number when completing this application. To obtain an FRN number, select the 'Get FRN Number' button to the left of your screen:"

At the bottom of the form area are two buttons: "Continue" and "Clear Screen".

At the very bottom of the page, there is a navigation bar with links: "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info". Below the navigation bar is a footer with the text: "Mail your comments or suggestions (To: ELB@fcc.gov)" and "FCC - Federal Communications Commission - FCC_405".

The left sidebar contains a "Filing Options:" menu with buttons for "Form 405", "Form 442", "Form 702", "Form 703", "Special Temporary Authority", "Add Attachments", "Reply To FCC Mail", and "Amend Application". Below this is a "Reporting:" menu with buttons for "Application Status", "Callsign Search", and "Limited Search". At the bottom of the sidebar is a "Miscellaneous:" menu with buttons for "Get FRN", "Download Instructions", "Get Software", and "FAQ".

Exhibit 2-16 Callsign Request for Renewal

The following fields appear on the form.

Field	Definition
Callsign	Enter the callsign for the license being renewed.
FRN Number	Enter the 10 digit numeric code obtained when first registered with FCC. To obtain an FRN number, click on the Get FRN Number button.

The following buttons appear on the form:

Button	Action
Continue	Click this button to submit the callsign entered.
Clear Screen	Click this button to clear the current screen.

If the callsign is invalid or if it is not eligible for renewal, an error screen similar to the following will display.



Exhibit 2-17 Callsign Error Screen

Examples of additional errors are:

1. The callsign is not due to expire for more than 90 days.
2. The callsign has been expired for more than 90 days.
3. A renewal application is already pending for this application.
4. The callsign entered is associated with a Special Temporary Authority application.

When a valid callsign is entered the FCC Form 405 will display pre-filled with information from the existing license.

Exhibit 2-18 Form 405 Items 1 through 4

The following fields appear on the form:

Field	Definition
Item 1 – Applicant’s complete, legal business name:	
Applicant’s Name	The applicant’s name is displayed and can not be modified. A change to the applicant’s name must be requested in writing and sent via mail to the Experimental Licensing Branch (refer to the address on the title page of this document).
Item 2 – Applicant’s mailing address:	
Street Address	Enter the street address of the applicant.
P.O. BOX	If a post office box is provided, enter it into this field.
City	Enter the applicant’s city in this field.
State	Enter the applicant’s state in this field.
Zip/Postal Code	Enter the zip and/or postal code of the applicant in this field.
Item 3 – FCC Rule Part	
FCC Rule Part	The FCC Rule Part displayed is associated with the current license and cannot be modified through this form.
Item 4 – Conformity Information	
Conformity Information	Before submitting this renewal, applicants must verify the information listed in this section matches exactly to the existing license. This information is displayed from the current license and is not modifiable by the applicant.

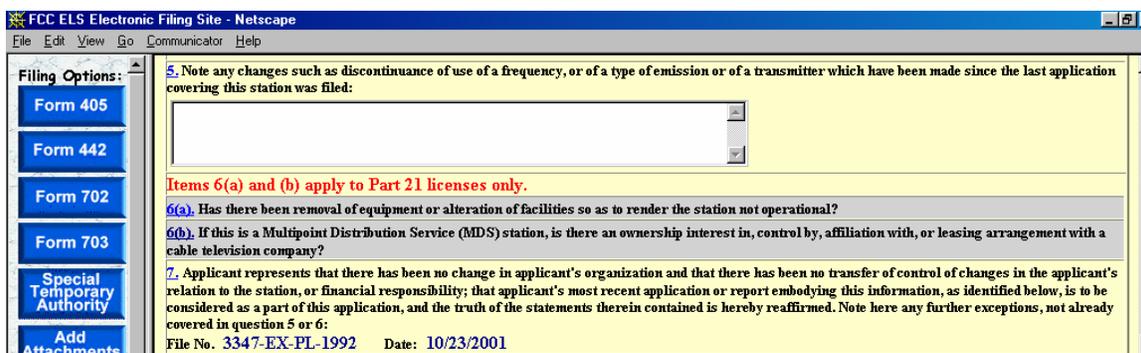


Exhibit 2-19 Form 405 Items 5 through 7

Field	Definition
Item 5 – Note Any Changes Since Last Application Filed:	
Note any changes since last application filed	Any changes to the existing license must be noted in this section. Changes such as discontinuance of use of a frequency, type of emission, and/or transmitter.
Item 6(a) – Has there been removal of equipment or alteration of facilities so as to render the station not operational?	
Equipment Removal/Facilities Altered	This question pertains to Part 21 licenses and is not required for OET Experimental Licensing renewals.
Item 6(b) – If this is a Multi-point Distribution Service (MDS) station, is there an ownership interest in, control by, affiliation with, or leasing arrangement with a cable television company?	
MDS	This question pertains to Part 21 licenses and is not required for OET Experimental Licensing renewals.
Item 7 – Applicant represents that there has been no change in applicant's organization and that there has been no transfer of control of changes in the applicant's relation to the station, or financial responsibility; that applicant's most recent application or report embodying this information, as identified below, is to be considered as a part of this application, and the truth of the statements therein contained is hereby reaffirmed. Note here any further exceptions, not already covered in question 5 or 6:	
Certification of Existing License	The file number and current date is display only.

8. Certification:

- Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance.
- The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)
- The applicant acknowledges that all statements made in this application and attached exhibits are considered material representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith.
- Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR 1.1301-1.1319.

Date: 10/23/2001 * Signature of Applicant (Authorized person filing form) Title of Applicant (if any)

* Designate Appropriate Classification:

Individual Applicant

Member of Partnership

Officer & Member of the Applicant's Association

Authorized Representative of Corporation

Official of Governmental Entity

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Submit Clear Screen

FCC Home Page Search Commissioners Bureaus/Offices Finding Info

[Mail your comments or suggestions \(To: ELB@fcc.gov\)](mailto:ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC_405

Exhibit 2-20 Form 405 Item 8

Field	Definition
Item 8 – Applicant Signature:	
Certification of Existing License	Before signing the application, applicants must verify the file number of the current license and current date. The applicant is required to enter their name in order to submit this application. This will be accepted as the applicant's signature. If applicable, please specify the applicant's title within the organization holding the current license.
Applicant Classification	Applicants are required to select one of the classifications that apply to their position in this firm or organization.

To submit the Experimental Licensing Renewal Form click on the **SUBMIT** button. If all required fields have not been entered an error message will display.

If the form passes validation, a confirmation screen will appear indicating the success of the submission.

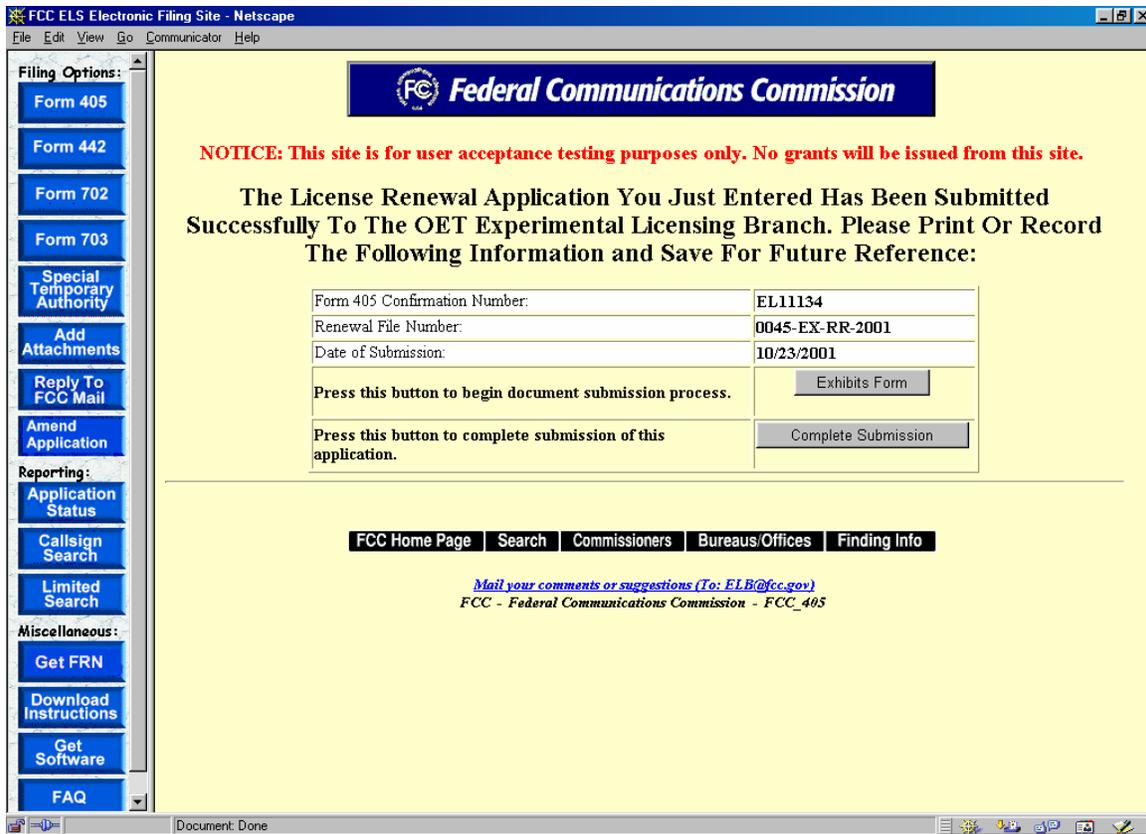


Exhibit 2-21 Form 405 Confirmation Page

After successful submittal of the Form 405 Application, a Form 405 Confirmation Number will be assigned to the application. The confirmation number will be required when adding exhibit attachments and replying to correspondence from OET.

The following buttons appear on the form:

Button	Action
Exhibits Form	Click this button to begin the document submission process.
Complete Submission	Click this button to complete the submission of this application.

2.4 Assignment of License Application (FORM 702)

Firms that wish to transfer one or more of their experimental licenses to another firm or organization use this form. No technical data is entered. If changes are required to technical data, a Modification of License (Form 442) must be submitted in addition to this application.

To transfer one or more experimental licenses click on the **FORM 702** button. This will open a screen, requesting all callsigns involved in the transfer:

Exhibit 2-22 Form 702 Callsign Entry Screen

The following buttons appear on the form:

Button	Action
Submit	Click this button to submit the callsigns entered.
Clear Screen	Click this button to clear the current screen.

Once all the steps are performed properly, and the **SUBMIT** button has been clicked, the FCC will validate that the license(s) have not expired and/or the license(s) are not part of an Assignment License pending.

A confirmation window providing the number of callsigns entered appears.



Exhibit 2-23 Callsign Confirmation Screen

The following buttons appear on the form:

Button	Action
Proceed to Form 702	Click this button to proceed to Form 702.
Add Additional Callsigns	<p>Click this button to add additional callsigns.</p> <p>NOTE: If the applicant chooses to enter additional call signs, the window outlined in Exhibit 2-25 is re-displayed allowing them to enter additional call signs. The call sign validation is performed and the confirmation window redisplay, adding to the total number of callsigns entered. This process may be repeated as many times as the applicant wishes. There is no limit on the number of call signs that may be entered.</p>

Once the applicant proceeds to Form 702, it is pre-filled with the demographic data from the first license specified in the callsign entry screen.

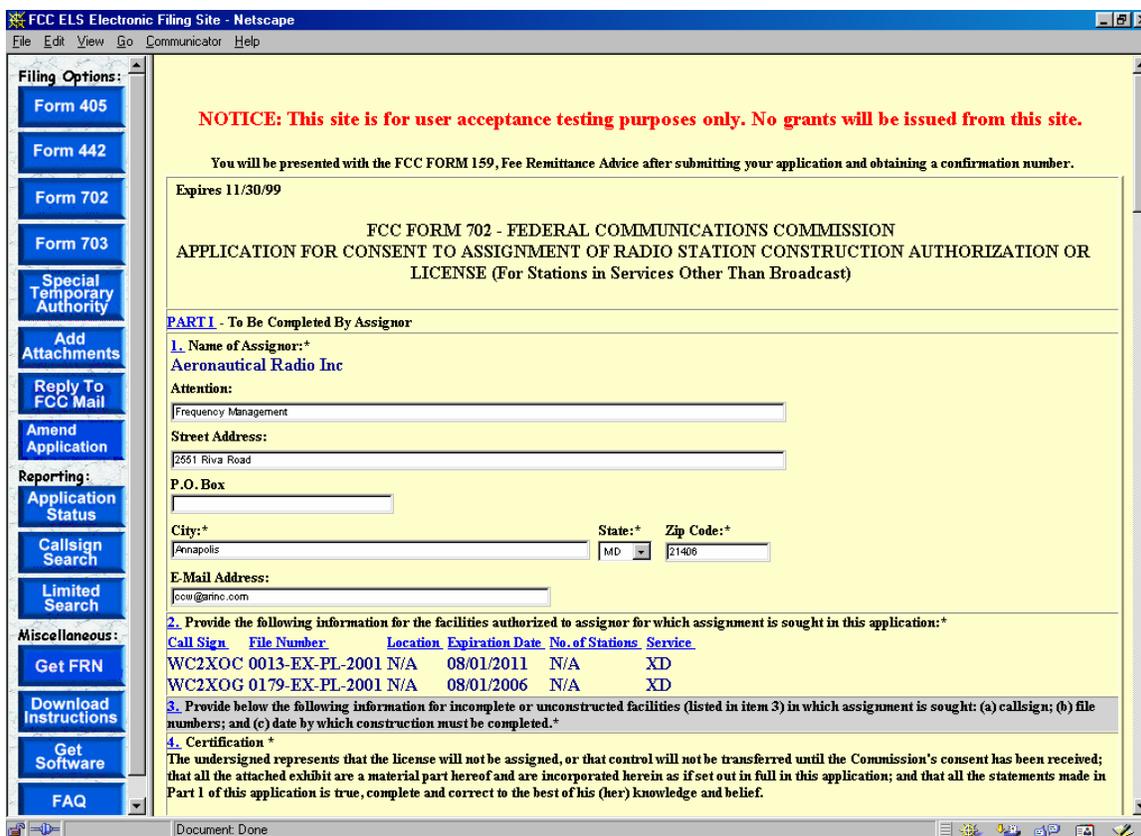


Exhibit 2-24 Form 702 Items 1 through 4

The following fields appear on the form:

Part I to be completed by Assignor:

This section is to be completed by the Assignor (the present Permittee or Licensee), whenever the legal right to construct or to control the use and operation of station is to be assigned by voluntary act, as by contract or other agreement, or by involuntary act such as death, legal disability, bankruptcy, or other legal proceedings.

Field	Definition
Name of Assignor	The Assignor's name is displayed and obtained from the first license specified by the applicant. This field is not modifiable.
Street Address	This field is displayed from the first license specified. Modify as necessary.
P.O. BOX	This field is displayed from the first license specified. Modify as necessary.
City	This field is displayed from the first license specified. Modify as necessary.
State	This field is displayed from the first license specified. Modify as necessary.
Zip/Postal Code	This field is displayed from the first license specified. Modify as necessary.
Email	Enter the Assignee's e-mail address. The e-mail address format is

Field	Definition
	as follows: name@company.ext
List of Facilities Authorized to Assignor	<p>This section is pre-filled with a row for each license specified by the Applicant and is not modifiable.</p> <p>Callsign: The unique identifier of the current license.</p> <p>File Number: The identifier of the application that resulted in the grant of the current license.</p> <p>Location: This column does is not applicable to the OET Experimental Licensing Branch.</p> <p>Expiration Date: The date in which this application is due to expire. Assignment of License applications will not be permitted containing expired licenses.</p> <p>No. Of Stations: This column does is not applicable to the OET Experimental Licensing Branch.</p> <p>Service: The type of radio service that applies to the current license.</p>
Incomplete or Unconstructed Facilities	This question is not applicable to the OET Experimental Licensing Branch and has been disabled.
Assignor Certification	By entering the information in this section, the assignor agrees to the terms listed in this section. The person signing this portion of the application must enter at minimum their first and last name, street address, city, state and zip code. If available, please include the assignor's e-mail address. The typed signature is considered to be a valid signature.

Filing Options:
[Form 405](#)
[Form 442](#)
[Form 702](#)
[Form 703](#)
[Special Temporary Authority](#)
[Add Attachments](#)
[Reply To FCC Mail](#)
[Amend Application](#)

Reporting:
[Application Status](#)
[Callsign Search](#)
[Limited Search](#)

Miscellaneous:
[Get FRN](#)
[Download Instructions](#)

PART II - To Be Completed By Assignee

5. Name of Assignee:* (if a corporation, state corporate name; if a partnership, state names of all partners and the name under which the partnership does business; if an unincorporated association, state the name of an executive officer, the office held by him/her, and the name of the association. The same name or names should be signed in the place provided at the end of the application, except that in the case of a partnership, the application may be signed in the name of the partnership by one of the partners).

Attention:*

Street Address:*

P.O. Box

City:* State:* Zip Code:*

E-mail Address:

FCC Registration Number (FRN):

NOTE: The FRN is not required at this time. However, it will be required at a later date in order to file this application. You are strongly encouraged to obtain and specify the FRN number when completing this application. To obtain an FRN number, select the "Get FRN" button to the left of your screen

6(a). Is this application made for consent to voluntary or involuntary assignment of permit or license? *

VOLUNTARY INVOLUNTARY

7. Name of Present Licensee and CallSign (c). Submit an exhibit containing a copy of the court order or other legal instrument by which assignee has obtained the legal right to construct or control the use and operation of station as a result of involuntary act or assignor.

7. State whether assignee is: *

INDIVIDUAL PARTNERSHIP CORPORATION ASSOCIATION

8. Include an exhibit containing a statement of assignee's principal business.

9. Include an exhibit stating any other business(es) applicant is directly or indirectly interested in. If applicant is a corporation, explain in statement other business(es) the officers, directors, or principal stockholders are directly or indirectly interested in.

10. Is individual assignee, or if partnership, each member of partnership a citizen of the United States?

11. Is assignee or any party to this application a representative of an alien or of a foreign government? * Yes No

Exhibit 2-25 Form 702 Items 5 through 11

Part II to be complete by Assignee:

This section is to be completed by the Assignee that wishes to obtain the legal right to construct or to control the use and operation of a station. This will be as a result of voluntary act (contract or other agreement), or involuntary act (death or legal disability) of grantee of construction authorization or licensee, or by involuntary assignment of the physical property constituting the station in bankruptcy proceedings, or other court order, or by operation of law in any other manner.

Field	Definition
Name of Assignee	Enter the name of the Assignee. NOTE: If a corporation, state corporate name; if a partnership, state names of all partners and the name under which the partnership does business; if an unincorporated association, state the name of an executive officer, the office held by him/her, and the name of the association. The same name or names should be signed in the place provided at the end of the application, except that in the case of a partnership, the application may be signed in the name of the partnership by one of the partners).
Street Address	Enter the street address of the applicant.
P.O. BOX	If a post office box is provided, enter it into this field.
City	Enter the applicant's city in this field.
State	Enter the applicant's state in this field.
ZipCode	Enter the zip and/or postal code of the applicant in this field.

Field	Definition
Email	Enter the Assignee’s e-mail address. The e-mail address format is as follows: name@company.ext
FRN Number	Enter the 10 digit numeric code obtained when first registered with FCC. To obtain an FRN number, click on the GET FRN button.
Voluntary/Involuntary	If this Assignment of License Request is not a voluntary action from the Assignee, submit an exhibit with the name of the present licensee, call sign and copy of the court order or other legal instrument by which assignee has obtained the legal right to construct or control the use and operation of station as a result of involuntary act or assignor. Exhibits may be entered immediately after submitting this form or later by selecting the ADD ATTACHMENTS button. NOTE: When submitting this exhibit, please enter "QUESTION 6: INVOLUNTARY TRANSFER DOCUMENTATION" in the description field.
Assignee Classification	Assignees are required to select one of the classifications that apply to their organization.
Statement of Assignee’s Principal Business	This question is not applicable to the OET Experimental Licensing Branch and has been disabled.
Other Business Interest	This question is not applicable to the OET Experimental Licensing Branch and has been disabled.
Citizen of the United States	This question is not applicable to the OET Experimental Licensing Branch and has been disabled.
Foreign Government	Foreign governments may not submit Assignment of License applications.

Questions 12 through 18 are not applicable to the OET Experimental Licensing Branch. These questions have been disabled.

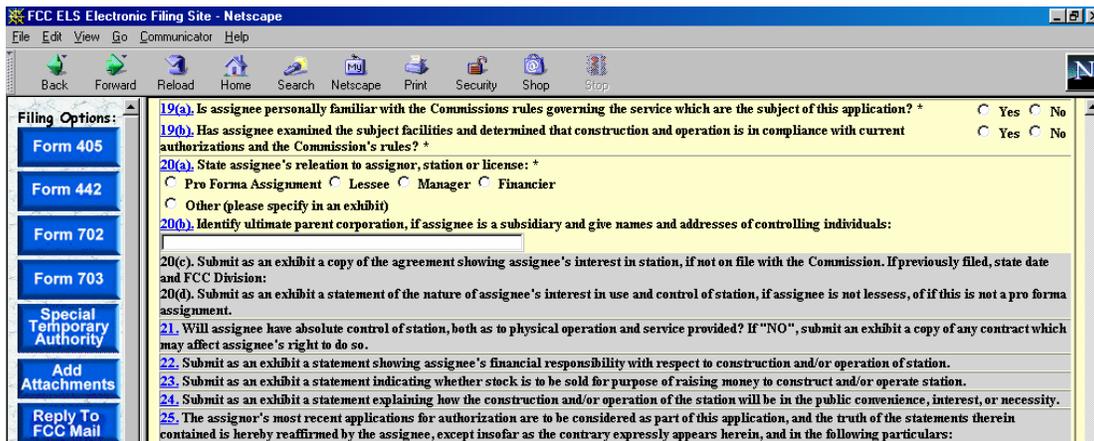
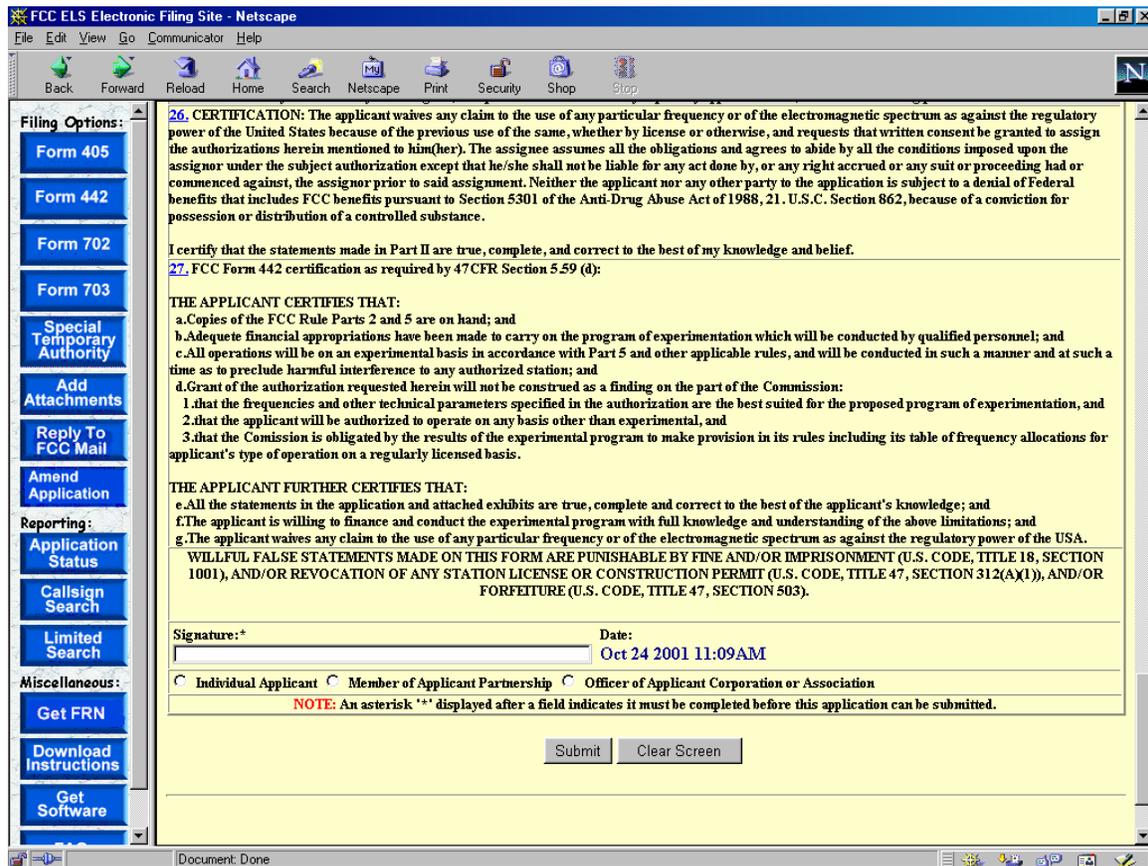


Exhibit 2-26 Form 702 Items 19 through 25

Field	Definition
Commission Rules	Please ensure that both the Assignor and Assignee are familiar with

Field	Definition
	the latest copy of the FCC Rules concerning Assignment of License Applications before answering this question.
Assignees relation to Assignor	<p>Please select the classification that best describes assignee's relation to Assignor. If "OTHER" is specified, submit an exhibit giving details of Relation. In addition, if assignee is a subsidiary, please specify the ultimate parent corporation name. Submit on the exhibit the names and addresses of the controlling individuals. Exhibits may be entered immediately after submitting this form or later by selecting the ADD ATTACHMENTS button</p> <p>NOTE: When submitting this exhibit, please enter "<i>QUESTION 20: ASSIGNEES RELATION TO ASSIGNOR</i>" in the description field.</p>

Questions 20 through 25 are not applicable to the OET Experimental Licensing Branch. These questions have been disabled.



Filing Options:

- Form 405
- Form 442
- Form 702
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software

26. CERTIFICATION: The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests that written consent be granted to assign the authorizations herein mentioned to him(her). The assignee assumes all the obligations and agrees to abide by all the conditions imposed upon the assignor under the subject authorization except that he/she shall not be liable for any act done by, or any right accrued or any suit or proceeding had or commenced against, the assignor prior to said assignment. Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21. U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance.

I certify that the statements made in Part II are true, complete, and correct to the best of my knowledge and belief.

27. FCC Form 442 certification as required by 47CFR Section 5.59 (d):

THE APPLICANT CERTIFIES THAT:

- Copies of the FCC Rule Parts 2 and 5 are on hand; and
- Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and
- All operations will be on an experimental basis in accordance with Part 5 and other applicable rules, and will be conducted in such a manner and at such a time as to preclude harmful interference to any authorized station; and
- Grant of the authorization requested herein will not be construed as a finding on the part of the Commission:
 - that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and
 - that the applicant will be authorized to operate on any basis other than experimental, and
 - that the Commission is obligated by the results of the experimental program to make provision in its rules including its table of frequency allocations for applicant's type of operation on a regularly licensed basis.

THE APPLICANT FURTHER CERTIFIES THAT:

- All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Signature:* _____ Date: Oct 24 2001 11:09AM

Individual Applicant Member of Applicant Partnership Officer of Applicant Corporation or Association

NOTE: An asterisk '*' displayed after a field indicates it must be completed before this application can be submitted.

Submit Clear Screen

Exhibit 2-27 Form 702 Items 26 through 27

The following fields appear on the form.

Field	Definition
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Field	Definition
Assignee Certification	By entering the information in this section, the assignee agrees to the terms listed in this section. The person signing this portion of the application must enter their first and last name. The typed signature is considered to be a valid signature.
Assignee Classification	Select one of the classifications that best apply to the organization.

If any of the required fields (denoted by asterisks before or after the field name) are not entered in, the applicant will receive an error message when they click the **SUBMIT** button. When all fields pass the validation checks, the application will be submitted to the FCC and the applicant will receive a confirmation window.



Exhibit 2-28 Form 702 Confirmation Window

At this point, the applicant may either proceed to the Exhibits Entry Page to upload any required exhibits or indicate the application is complete, proceeding them further to Form 159. For instructions on uploading exhibits please review Section 2.3.1. Adding Exhibits.

2.5 Transfer of Control (FORM 703)

This form applies to stations authorized under Parts 5, 80, 87, 90, and 95 of the FCC Rules. This application must be filed where the only change is the transfer of control of the corporate license. This form should be filed before the Transfer of Control takes place. If other changes are to be made or have been made, the Modification of License application (Form 442) should also be filed.

To transfer control click on the **FORM 703** button. This will open a screen, requesting all callsigns involved in the transfer. Up to Twenty-five callsigns may be entered per Callsign Entry screen.

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area is yellow and features the Federal Communications Commission logo at the top. Below the logo is a red notice: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." The title of the page is "Application For Consent To Transfer Control Of Corporation Holding Station License (Form 703)". Below the title, it says "Before proceeding to this form, please specify all callsigns involved:". There is a grid of 25 input fields, numbered 1 through 25, arranged in five rows and five columns. Below the grid are two buttons: "Submit" and "Clear Screen". At the bottom of the page, there is a navigation bar with links for "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info". Below the navigation bar, there is a link to "Mail your comments or suggestions (To: ELB@fcc.gov)" and the text "FCC - Federal Communications Commission - FCC_703".

Exhibit 2-29 Form 703 Callsign Entry Screen

The following buttons appear on the form:

Button	Action
Submit	Click this button to submit the callsigns entered.
Clear Screen	Click this button to clear the current screen.

Once all the steps are performed properly, and the **SUBMIT** button has been clicked, the FCC will validate that the license(s) have not expired and/or the license(s) are not part of another

pending Transfer of Control. If any license specified does not pass the validation, an error message will appear, instructing the applicant to make the corrections and re-submit the form.

Once each license passes the validation checks, a confirmation window providing the number of callsigns entered appears.



Exhibit 2-30 Form 703 Callsign Validation Screen

The applicant may continue entering callsigns for the licenses affected or proceed directly to Form 703. If the applicant chooses to enter additional call signs, the entry screen displayed in Exhibit 2-29 will re-appear allowing the applicant to enter an up to twenty-five additional callsigns. This process of entering callsigns may be repeated as often as required.

If the applicant chooses to proceed to Form 703, the following form displays pre-filled with the demographic data from the first license specified.

Exhibit 2-31 Form 703 Items 1 through 3

The following fields appear on the form:

Field	Definition
Name of Corporate Licensee	The Corporate Licensee’s name is displayed and obtained from the first license specified by the applicant. This field is not modifiable.
Street Address	This field is displayed from the first license specified. Modify as necessary.
P.O. BOX	This field is displayed from the first license specified. Modify as necessary.
City	This field is displayed from the first license specified. Modify as necessary.
State	This field is displayed from the first license specified. Modify as necessary.
Zip/Postal Code	This field is displayed from the first license specified. Modify as necessary.
Email	Enter the Assignee’s e-mail address. The e-mail address format is as follows: name@company.ext

Field	Definition
Callsign and Radio Service of each affected License	The callsigns that have been entered on the Form 703 are displayed in this section along with their type of radio service. These fields are not modifiable by the applicant.
Transferee Name and Address	Enter the name and address of the transferee that will be assuming control of the specified license(s). If applicable, also state the e-mail address.

The screenshot shows the FCC ELS Electronic Filing Site interface. The main content area displays Form 703 items 4 through 7. Item 4 asks if the licensee corporation will remain the same corporate entity after the transfer of control. Item 5 asks if the licensee corporation is a representative of any foreign government. Item 6 is a certification section with multiple sub-questions (a-h) regarding ownership and control. Item 7 is a signature section for the authorized employee and transferee. The form also includes a 'Check appropriate classification' section with radio buttons for Individual, Partner, Officer, and Other. A 'Submit' button is visible at the bottom of the form area.

Exhibit 2-32 Form 703 Items 4 through 7

Field	Definition
Same Corporate Entity	If the licensee corporation will not remain the same corporate entity subsequent to the Transfer of Control, an exhibit in the form of a narrative statement must be submitted along with this application. This statement must indicate all details of the corporate entity change. Exhibits may be uploaded and sent to the FCC immediately after filing this application or at a later date by clicking the ADD ATTACHMENTS button. Exhibits pertaining to this application will not be permitted after the Transfer of Control has been granted.

Field	Definition
Foreign Governments	Transfer of Controls will not be permitted if subsequent to the Transfer of Control, the licensee corporate will be a representative of a foreign government.
Question 6 is not applicable to the OET Experimental Licensing Branch. This question has been disabled.	
Transferee and Licensee Signature	The application must be signed and dated by an authorized employee of the licensee corporation and by the transferee of the control of the licensee corporation. By entering the information in this section, the transferee and licensee agree to the terms listed in this section. The persons signing this portion of the application must enter their first and last name. The typed signature is considered to be a valid signature.
Transferee Classification	The transferee is required to select one of the classifications that apply to their organization.

If any of the required fields (denoted by asterisks before or after the field name) are not entered in, the applicant will receive an error message when they click the **SUBMIT** button. When all fields pass the validation checks, the application will be submitted to the FCC and the applicant will receive a confirmation window.

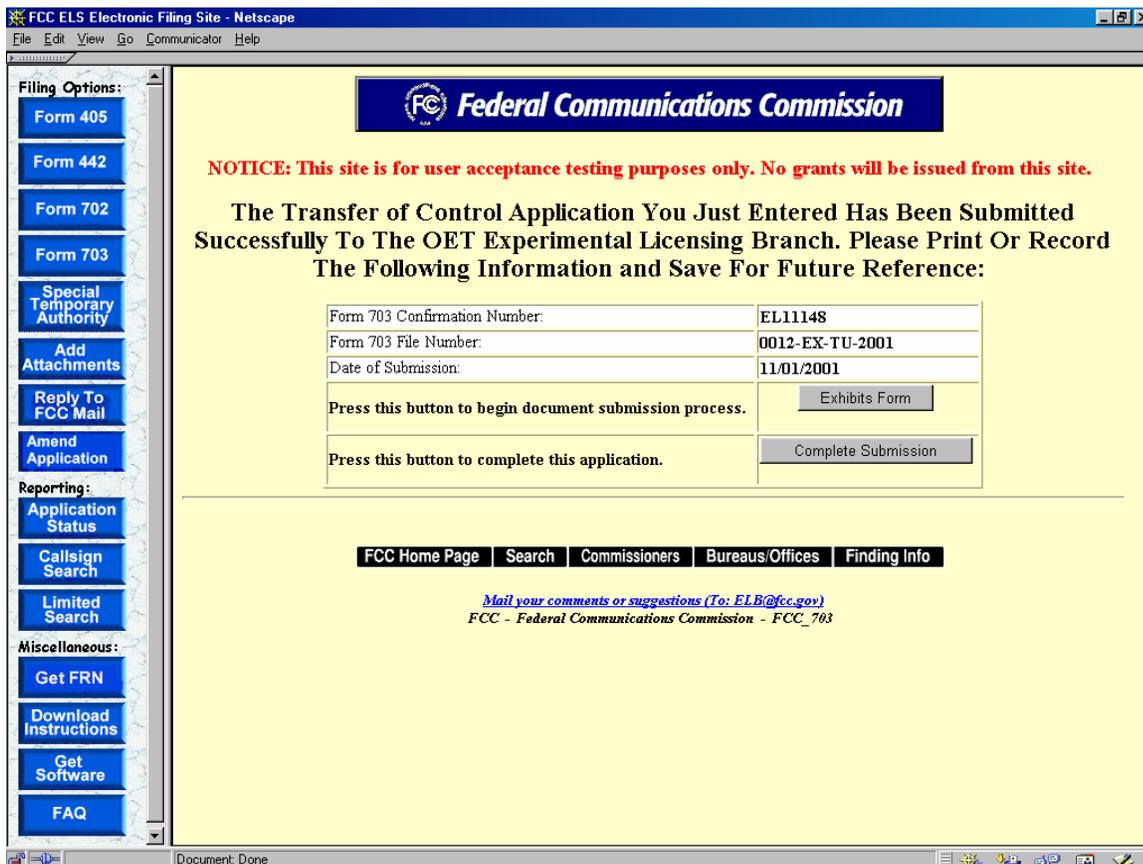


Exhibit 2-33 Form 703 Confirmation Window

At this point, the applicant may either proceed to the Exhibits Entry Page to upload any required exhibits or indicate the application is complete, proceeding them further to Form 159. For instructions on uploading exhibits please review Section 2.7. Adding Attachments/Exhibits.

2.6 Completing an Application for Special Temporary Authority (STA)

Applicants may file to receive permission to operate transmitting equipment in special circumstances where it is not feasible to wait for a license to be issued.

STA applications can either be associated with or without an existing license. To apply for an STA, click on the STA button. This will open a screen, which will allow you to either apply for a new license or request an STA to use an existing license as a template.

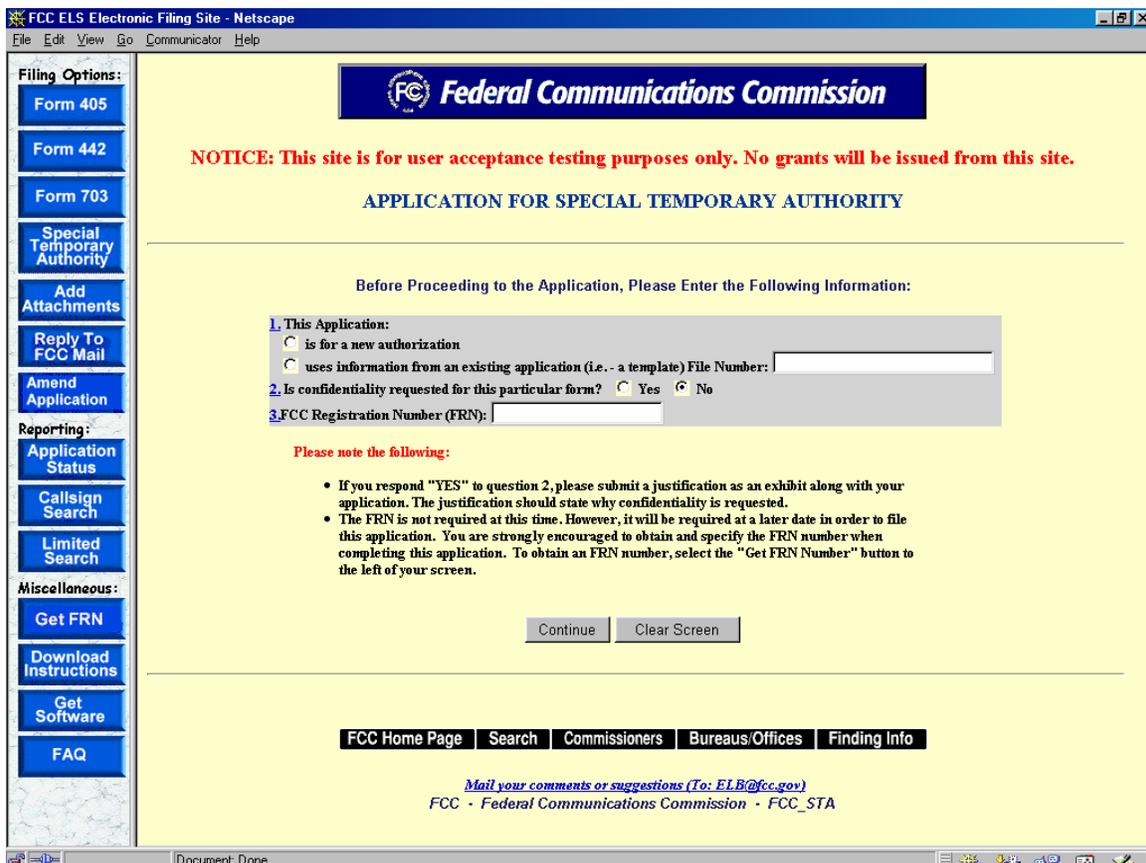


Exhibit 2-34 STA Sign-In (for entry into the STA Form)

Before proceeding to the application, please enter the following information:

Field	Definition
Application Type	
New Authorization	Select this option if the application is for a new authorization.
Existing Application	Select this option if the authorization pertains to an existing authorization. Applicants may also use this

Field	Definition
	option to renew/extend the STA. It will be necessary to specify the file number of the existing license. If the applicant states that this is for an existing license, the form will display pre-filled with information from the current license data.
Confidentiality	
Confidentiality	<p>If portions of the application being filed are to be considered confidential, click on the YES button. If no portion of the application being filed is to be considered confidential, click on the NO button.</p> <p>NOTE: If you respond "YES", an exhibit stating why confidentiality is requested must be submitted. Letters requesting confidentiality must be submitted to the FCC as an exhibit and contain: This letter must reference rule sections 0.457 and 0.459 under which the information is to be held confidential.</p>
FCC Registration Number (FRN)	
FRN Number	Enter the 10 digit numeric code obtained when first registered with FCC. To obtain an FRN number, click on the Get FRN Number button.

Once all the fields have been filled in, click on the **CONTINUE** button. The application will verify that all the required fields were completed. If any of the required fields were not filled in, a window will appear stating the missing required field(s).

For an STA to an existing license, the form will appear pre-filled with demographic and equipment information from the existing license.

The STA Form is broken up into 3 screen shots with a brief description of each of the fields that the user needs to complete.

The first portion of the STA Form contains Items 1 through 5. The majority of the necessary information for Items 1 through 5 will pre-populate with the assigned callsign information. If modifications are required contact the OET Experimental Licensing Branch with the incorrect and correct information, at the following address:

Federal Communications Commission

445 12th Street, SW
Washington D.C. 20554

Exhibit 2-35 STA Form Items 1 through 4

The following fields appear on the form:

Field	Definition
Item 1 – Name of Applicant (Company)	
Applicant’s Name	Enter the name of the firm, corporation or person that the STA will be granted to.
Item 2 – Mailing Address:	
Street Address	Enter the street address of the applicant.
P.O. BOX	If a post office box is provided, enter it into this field.
City	Enter the applicant’s city in this field.
State	Enter the applicant’s state in this field.
Zip/Postal Code	Enter the zip and/or postal code of the applicant in this field.
Item 3 – Contact Information	
Last Name	Enter the contact’s last name.
First Name	Enter the contact’s first name.
Title	Enter the contact’s title (e.g., Senior Product Engineer).
Telephone Number	Enter the contact’s complete telephone number. This is an alpha-numeric field. Enter the contact’s telephone extension.
Email Address	Enter the contact’s e-mail address. The e-mail address format is as follows: name@company.ext

Field	Definition
Item 4 – STA Explanation	
STA Explanation	Before submitting this application, please explain in detail why this request for Special Temporary Authority is necessary.

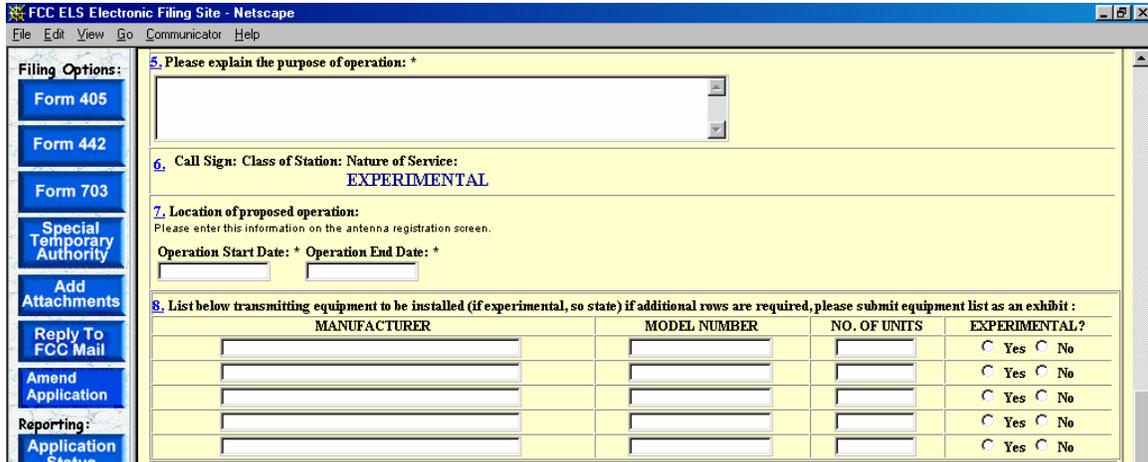


Exhibit 2-36 STA Form Items 5 through 8

Field	Definition
Item 5 – Purpose of Operation	
Purpose of Operation	Before submitting this application, please explain in detail the type of operation that will be performed as a result of this STA grant.
Item 6 – Callsign	
Callsign	This section of the form will be displayed only if this STA pertains to an existing license on file with the OET Experimental Licensing Branch. This section is not modifiable by the applicant.
Item 7 – Location of Operation Proposed Operation	
Location of Proposed Operation	This information is entered on the antenna registration screen.
Item 8 – Equipment Operation	
Equipment Operation	Please indicate all equipment that will be involved in the operation indicated in this application. If this is in reference to an existing license, the equipment associated with that license will be displayed in this section. Please ensure the information displayed is accurate and includes all equipment applicable to this STA. At least one row of equipment information must be entered in order to submit this application. The model number field is optional.

The last portion of the STA Form contains Item 9. The applicant is required to enter their name in order to submit this application. This will be accepted as the applicant's signature. If

applicable, please specify the applicant's title within the organization holding the current license. By signing this application, the applicant certifies they have read and complied with the statements listed in the certification section of this application.

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

2. Certification:

- Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance.
- The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)
- The applicant acknowledges that all statements made in this application and attached exhibits are considered material representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith.
- Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR 1.1301-1.1319.

Signature of Applicant (Authorized person filing form)* Date
 11/19/2001

Title of Applicant (if any)

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

[FCC Home Page](#) | [Search](#) | [Commissioners](#) | [Bureaus/Offices](#) | [Finding Info](#)

[Mail your comments or suggestions \(To: ELB@fcc.gov\)](mailto:ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC_STA

Exhibit 2-37 STA Item 9

Once the applicant has entered in all required fields and clicks the **SUBMIT** button, the following confirmation window will appear:

FCC ELS Electronic Filing Site - Netscape

File Edit View Go Communicator Help

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Call Sign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

The Administrative Portion of the Special Temporary Authority Application Has Been Submitted

Successfully To The OET Experimental Licensing Branch. Please Print Or Record The Following Information and Save For Future Reference:

Form STA Confirmation Number:	EL11734
STA File Number:	0439-EX-ST-2001
Date of Submission:	11/19/2001
Press this button to proceed to technical data.	<input type="button" value="Technical Data"/>

Notice: This application will not be considered "complete" until the antenna and frequency information have been entered. Please be sure to select the "Complete Submission" button at the end of the Frequency Registration Page once all frequencies have been entered.

The administrative data for your new application has been submitted. If, for some reason you encounter errors during the remainder of this submission and are unable to finish this application during this Web session, please do not start a new application. Complete your application using either the "Amend Application" or the "Add Attachments" buttons.

FCC Home Page | Search | Commissioners | Bureaus/Offices | Finding Info

[Mail your comments or suggestions \(To: ELB@fcc.gov\)](mailto:ELB@fcc.gov)
FCC - Federal Communications Commission - FCC_STA

Exhibit 2-38 STA Confirmation Page

The information in this window should be printed and kept for future reference.

2.6.1 STA Antenna Registration

The STA Application Form will not be considered complete until the antenna registration form is entered.

The antenna registration is initiated immediately after completing the STA Form by clicking on the **TECHNICAL DATA** button. This registration form is used to add, modify or delete antenna information from the application.

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area displays the "Federal Communications Commission" logo and a red notice: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." Below this is the "FEDERAL COMMUNICATIONS COMMISSION ANTENNA REGISTRATION FORM FOR FILE NUMBER:". The form is divided into several sections:

- 1. * The purpose of this application is to:**
 - Add this antenna to the application/license
 - Edit data pertaining to this antenna
 - Delete this antenna from the application/license
- 2a. * Proposed location of transmitter and transmitting antenna:**
 - FIXED/BASE
 - MOBILE
 - BASE AND MOBILE
- 2b. If permanently located at a FIXED location, give below:**
 - State: [dropdown menu]
 - County: [text input]
 - City or Town: [text input]
 - Number and street (or other indication of location): [text input]
- 2c. If mobile, describe the exact area of operation:** [text input]
- 2d. * If fixed, enter the geographical coordinates exact to the nearest second. If mobile or base and mobile, enter either the area of operation or the fixed/center coordinates and the radius of operation.**
 - North Latitude(DD-MM-SS): [text input]
 - West Longitude(DDD-MM-SS): [text input]
 - Radius of Operation: Km [text input]
- 3. * Datum:**
 - NAD 27
 - NAD 83

A sidebar on the left contains various navigation buttons: Filing Options (Form 405, Form 442, Form 703, Special Temporary Authority, Add Attachments, Reply To FCC Mail, Amend Application), Reporting (Application Status, Callsign Search, Limited Search), and Miscellaneous (Get FRN, Download Instructions).

Exhibit 2-39 STA Antenna Registration Form Items 1 through 3

The following fields appear on the form.

Field	Definition
Purpose of Application	<p>Click on the appropriate button in response to the question. Indicate the type of action to be performed for this antenna. If this is a new antenna, the ADD ANTENNA button will be pre-selected. If this is an existing antenna, the only options available will be to modify or delete this antenna.</p> <p>NOTE: Deletions of antenna data from the existing license will not occur once this application is submitted. The FCC will perform deletions once the deletions have been reviewed and granted.</p>
Proposed Location	<p>Click on the appropriate button in response to the question. Indicate the intended location of the transmitter and transmitting antenna.</p> <p>NOTE: If you indicated that this antenna is Fixed/Base or Base/Mobile then Question 2B must be completed.</p>
Fixed/Base and Base/Mobile Location Information	<p>Select the state from the drop down menu. Then specify the county and as accurately as possible, the street address, city or town where the antenna exists.</p>
Mobile Area of Operation	<p>Describe the exact area of operation.</p> <p>NOTE: This field should be left blank if the antenna is not mobile.</p>

Field	Definition
Geographical Coordinates	<p>If this is a fixed antenna, please enter the coordinates to the exact second and leave the radius of operation field blank. If it is a mobile or Base/Mobile antenna, please enter either the area of operation or the fixed/center coordinates and the radius of operation. Coordinates (latitude and longitude) should be accurate within +/- 5 m of the National Spatial Reference System.</p> <p>NOTE: If coordinates entered are based on South Latitude and East Longitude, please submit them as an exhibit along with this application.</p>
Datum Used	<p>Specify the Datum used in determining the geographical coordinates.</p> <p>NOTE: The latitude and longitude for locations in the United States and the Caribbean Islands must be referenced to either the North American Datum of 1927 (NAD 27) or 1983 (NAD 83). The FCC encourages all applicants to use NAD 83 when determining the geographical coordinates.</p>

The screenshot shows a web browser window titled "FCC ELS Electronic Filing Site - Microsoft Internet Explorer". The page content includes a sidebar with navigation buttons (Form 405, Form 442, Form 702, Form 703, Special Temporary Authority, Add Attachments, Reply To FCC Mail, Amend Application, Reporting: Application Status, Callsign Search, Limited Search, Miscellaneous: Get FRN, Download Instructions, Get Software, FAQ) and a main form area. The form area contains two questions:

4. *Is a directional antenna (other than radar) used? If "YES", give the following information: Yes No

(a) Width of beam in degrees at the half-power point:

(b) Orientation in horizontal plane:

(c) Orientation in vertical plane:

5. * Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? If "YES", give the following: Yes No

(a) Overall height above ground to tip of antenna is meters.

(b) Elevation of ground at antenna site above mean sea level is meters.

(c) Distance to nearest aircraft landing area is kilometers.

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft and thereby minimize the aeronautical hazard of the antenna.

(e) Submit as an exhibit a vertical profile sketch of total structure including supporting building, if any, giving heights in meters above ground for all significant features. Clearly indicate existing portion, noting particulars of aviation obstruction lighting already available. Submit this sketch under the "Antenna Drawing" exhibit type.

Buttons: Submit, Clear Screen

Footer: FCC Home Page | Search | Commissioners | Bureaus/Offices | Finding Info
 Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC_Antenna_Registration_Form

Exhibit 2-40 STA Antenna Registration Form Items 4 through 5

The following fields appear on the form.

Field	Definition
Directional Antenna	Enter the width of beam in degrees at the half-power point, orientation in horizontal plane, and the orientation in vertical plane.
Antennas that extend past Six Meters	<p>Click on the appropriate button in response to the question. If the answer to this question is YES, analyze the structures pursuant to Part 17, Subpart B, of the FCC rules, to determine if notification to the Federal Aviation Administration (FAA) is required. If notification is required, submit FAA Form 7460-1, (Notice of Proposed Construction of Alteration) to one of the FAA Regional Offices listed on FCC Form 854, (Request for Antenna Height Clearance and Obstruction Marking and Lighting Specifications). Exhibits may be entered immediately after submitting this form or later by clicking on the ADD ATTACHMENTS button.</p> <p>NOTE: When submitting this exhibit, please enter "<i>QUESTION 5: ANTENNA VERTICAL PROFILE SKETCH</i>" in the description field and select the type of document as "Text Documents".</p>

To submit the Antenna Registration Form click on the **SUBMIT** button. If all required fields have not been entered an error message will display.

If the form passes validation, a confirmation screen will appear indicating the success of the submission.

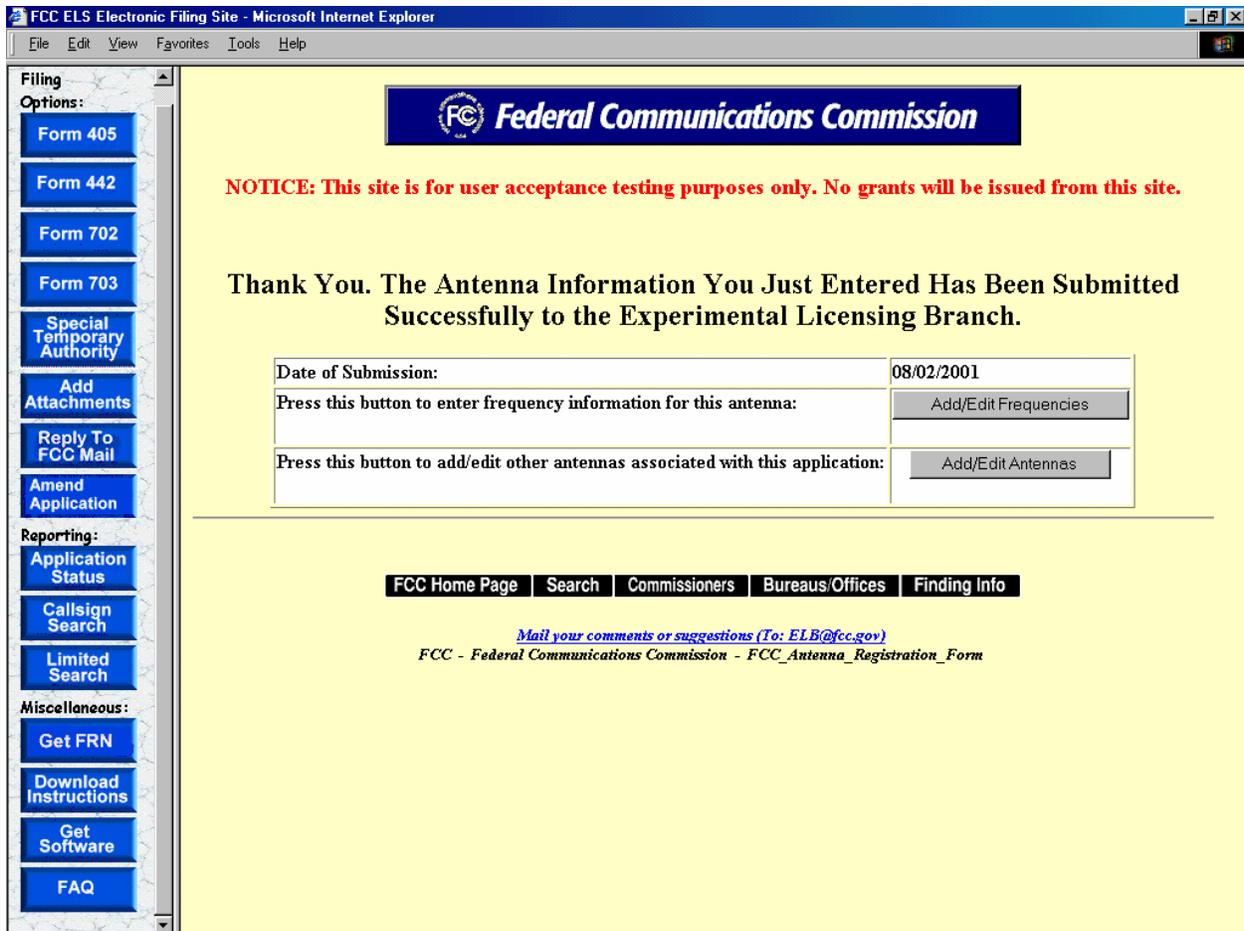


Exhibit 2-41 STA Antenna Registration Confirmation Notice

The following buttons appear on the form:

Button	Action
Add/Edit Frequencies	Click this button to add/edit frequency information for this antenna.
Add/Edit Antennas	Click this button to add/edit other antennas associated with this application.

2.6.2 STA Adding/Editing Antennas

The add/edit antenna process is initiated immediately after completing the Antenna Registration Form by clicking on the **ADD/EDIT ANTENNAS** button.

A list of antennas associated with the license/authorization appears.

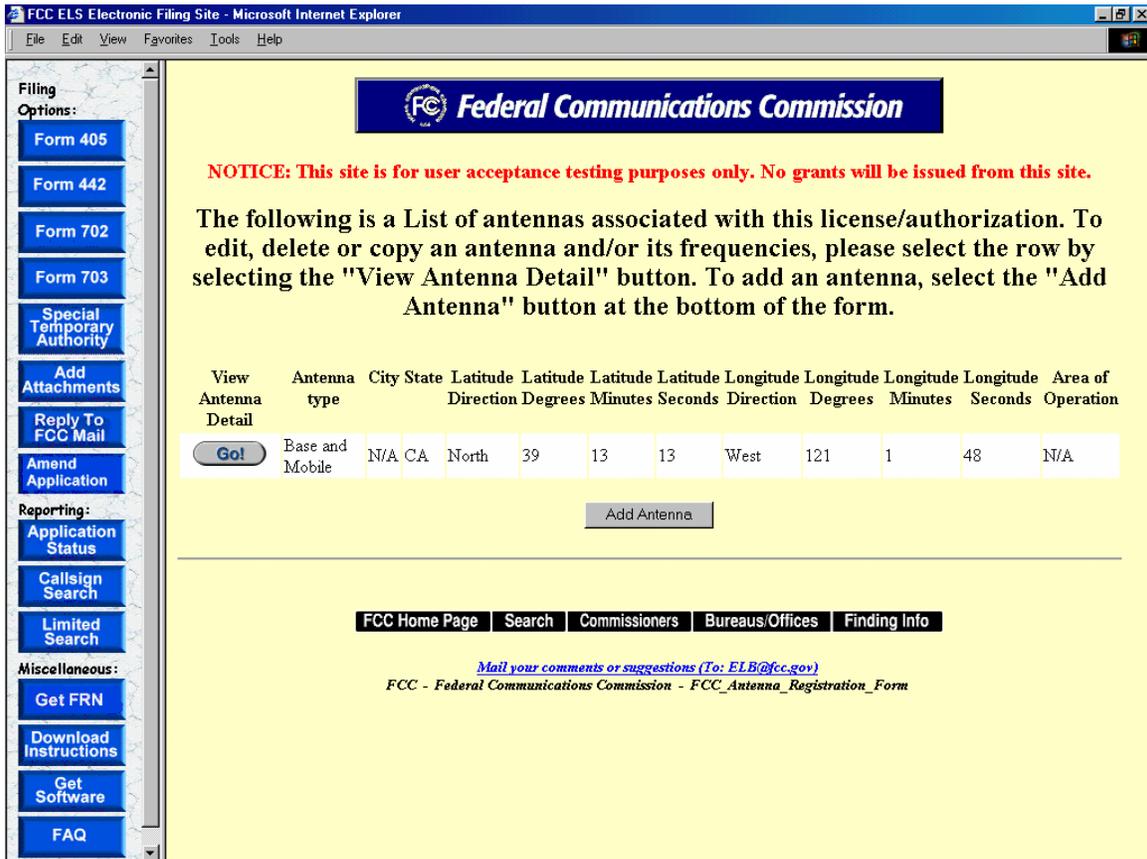


Exhibit 2-42 Antenna List

To edit, delete or copy an antenna click on the **GO** button associated with the antenna. To add an antenna, select the **ADD ANTENNA** button at the bottom of the form.

2.6.3 STA Adding/Editing Frequencies

The add/edit frequency process is initiated immediately after completing the Antenna Registration Form by clicking on the **ADD/EDIT FREQUENCY**.

The Antenna Frequency Registration form appears.

The screenshot shows the FCC ELS Electronic Filing Site interface. On the left is a sidebar with various options like 'Form 405', 'Form 442', 'Form 702', 'Form 703', 'Special Temporary Authority', 'Add Attachments', 'Reply To FCC Mail', 'Amend Application', 'Reporting: Application Status', 'Callsign Search', 'Limited Search', and 'Miscellaneous: Get FRN', 'Download Instructions', 'Get Software', 'FAQ'. The main content area features the FCC logo and a notice: 'NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.' Below this is the 'FEDERAL COMMUNICATIONS COMMISSION ANTENNA FREQUENCY REGISTRATION FORM' with 'ANTENNA LOCATION: Fixed/Base, CA' and 'COORDINATES: 39 13 13 N latitude 121 1 48 W longitude'. The core of the form is a table titled 'Particulars of Operation' with the following columns: Action, Lower/Upper Frequency, Power, ERP, Mean/Peak, Tolerance, and Station Class. The first row shows a frequency range of 2150-2162 MHz with 100 Milliwatts power, 10 Watts ERP, Mean/Peak, 0.05 Tolerance, and Mobile Station Class. The second row shows a frequency range of 2500-2690 MHz with 1 Watt power, 10 Watts ERP, Mean/Peak, 0.05 Tolerance, and Mobile Station Class. Below the table are buttons for 'Proceed to Emissions Entry', 'Clear Screen', and 'Add More Frequencies'. At the bottom, there are links for 'FCC Home Page', 'Search', 'Commissioners', 'Bureaus/Offices', and 'Finding Info', along with a contact email 'ELB@fcc.gov' and the form title 'FCC - Federal Communications Commission - FCC_Frequency_Registration_Form'.

Exhibit 2-43 Antenna Frequency Registration Form

The following fields appear on the form.

Field	Definition
Action to Perform	Select from the drop down list the intended action for the frequency or emission. All unmodified or blank rows are pre-filled with action equal to "None". NOTE: If the Action Type is left blank for a new frequency or emission data, the field will default to "Add" when submitted to the FCC. Also, deletions of existing frequency and emission data on the current license or STA are not performed until the application has been reviewed and approved by the FCC.
Frequency Range	Enter the lower and upper frequency in the block provided.

Field	Definition
	Enter discrete frequencies in the first blank only. Then select from the drop down list the units.
Power Output	Enter the maximum R.F. power at the transmitter terminals. Then select from the drop down list the units.
Effective Radiated Power (ERP)	Enter the maximum effective radiated power from the antenna (if pulsed emission, specify peak power). Then select from the drop down list the units.
Mean or Peak	Select from the drop down list the level of power measured (see definitions in Part 5 of the FCC rules).
Tolerance	Enter the applicable level of tolerance as a percentage of carrier frequency.
Station Class	Select from the drop down list the class of station applicable to this frequency.

The following buttons appear on the form:

Button	Action
Proceed to Emissions Entry	Click this button to submit frequency information and to proceed to emissions entry.
Clear Screen	Click this button to clear the current screen.
Add More Frequencies	Click this button to add additional frequency information for an antenna.

2.6.4 STA Emissions Entry

The emissions entry process is initiated immediately after completing the Frequency Registration Form by clicking on the **PROCEED TO EMISSIONS ENTRY**.

The Emissions Registration form appears.

FCC ELS Electronic Filing Site - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Filing Options:

- Form 405
- Form 442
- Form 702
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

The following is a list of frequencies associated with this antenna. To add emissions, please select the link next to the desired frequency.

Enter Emissions For This Frequency	Lower Frequency	Upper Frequency	Frequency	Type	Station Class
<input type="button" value="Go!"/>	2150	2162	MHz		Mobile
<input type="button" value="Go!"/>	2500	2690	MHz		Mobile

FCC Home Page | Search | Commissioners | Bureaus/Offices | Finding Info

[Mail your comments or suggestions \(To: ELB@fcc.gov\)](mailto:ELB@fcc.gov)

FCC - Federal Communications Commission - FCC_Frequency_Registration_Form

Exhibit 2-44 STA Emissions Registration Form

To add emissions click on the **GO** button associated with the desired frequency.

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

Please Enter all Emission Data Associated With This Frequency:
 Lower Frequency: 2150 MHz Upper Frequency: 2162 MHz
 Station Class: MO

Action	Emission	Modulating Signal	Necessary Bandwidth
W	1	W QPSK, 2.5Mbaud/s	5 MHz

To include the emissions just added to other frequencies associated with this antenna, please select from the list below:

Add Emissions to this Frequency	Lower Frequency	Upper Frequency	Frequency Type	Tolerance	Power Output	Power Type	ERP	Power Type	Station Class
<input type="checkbox"/>	2500	2690	MHz	0.05	1	W	10	W	MO

Buttons: Continue, Clear Screen, Add More Emissions To This Frequency

Navigation: FCC Home Page, Search, Commissioners, Bureaus/Offices, Finding Info

Contact: Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC_Frequency_Registration_Form

Exhibit 2-45 STA Emissions Entry Form

The following fields appear on the form.

Field	Definition
Action to Perform	Select from the drop down list the intended action for the emission. NOTE: If the Action Type is left blank for emission data, the field will default to “Add” when submitted to the FCC. Also, deletions of existing emission data on the current license or STA are not performed until the application has been reviewed and approved by the FCC.
Emission Designator	Select one value from each of the 3 drop down list. Please refer to section 2.201 of the FCC Rules for details. NOTE: Data submitted to the FCC will be determined from these fields plus the value of the necessary bandwidth entered.
Modulating Signal	Insert as appropriate the maximum speed for keying in bauds, maximum audio modulating frequency, frequency deviation of carrier, pulse duration and repetition rate.

Field	Definition
Necessary Bandwidth	Indicate the necessary bandwidth measurement and indicate the units selecting one of the values in the drop down list. Submit an exhibit describing how the necessary bandwidth was calculated for all the indicated frequencies

To include the emissions added to other frequencies associated with this antenna, select from the list.

The following buttons appear on the form:

Button	Action
Continue	Click this button to submit the emissions entered.
Clear Screen	Click this button to clear the current screen.
Add More Emission to this Frequency	Click this button to add additional emissions information to this frequency.

The form will be validated and a confirmation window will appear.



Exhibit 2-46 STA Emissions Confirmation Page

The following buttons appear on the confirmation window:

Button	Action
Add More Emissions	Click this button to add additional emissions.
Add More Frequencies	Click this button to add additional frequency information for an antenna.
Add/Edit Antennas	Click this button to add/edit other antennas associated with this application.
Add Exhibits	Click this button to add and submit exhibits.
Complete Submissions	Click on this button to complete the submission.

2.7 Adding Attachments/Exhibits

The adding exhibit option is available immediately after completing an FCC Form by clicking on the **EXHIBIT FORM** button on the confirmation window or by clicking on the **ADD ATTACHMENTS** button.

The following exhibit formats are acceptable for text exhibits:

- Microsoft Word (97 or earlier)
- Microsoft Excel (97 or earlier)
- WordPerfect (6.0 or earlier)
- Lotus 123

The following graphic types are accepted:

- Joint Photographic Experts Group (.jpg)
- Portable Document Format (.pdf)
- American Standard Code for Information Interchange (.txt)

Once the **EXHIBIT FORM** button is clicked the Add Exhibits form appears.

FCC ELS Electronic Filing Site - Netscape

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

NOTICE:
The following exhibits must be submitted with this application:
[Click Here For Attachment Submission Instructions](#)

Exhibit Type	Confidential	Description	File	File Format
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/> Browse...	<input type="text"/>

Send File(s) To FCC

Exhibit 2-47 Add Exhibits Form

The following fields appear on the form:

Field	Definition
Exhibit Type	Select from the drop down list the appropriate exhibit type.
Confidential	If the exhibit is to be kept confidential, click on the Confidential check box.
Description	Enter a brief, but specific description of the attachment to be uploaded.
File	Specify the actual file name to upload. Select the BROWSE button to search local or network hard drives for the file.
File Format	Select from the drop down list the type of file that is being uploaded. Do not attempt to send a file type that is not on the list.

Once all the steps are performed properly, and the **SEND FILES TO FCC** button has been clicked, the FCC should receive the files where they will be stored with the corresponding application.

A confirmation window stating that the files were or were not successfully uploaded will appear. The confirmation window will provide a list of each exhibit’s status, file size, file description, exhibit type and file format. From the confirmation window additional exhibits may be submitted by clicking on the **SEND MORE EXHIBITS** button.

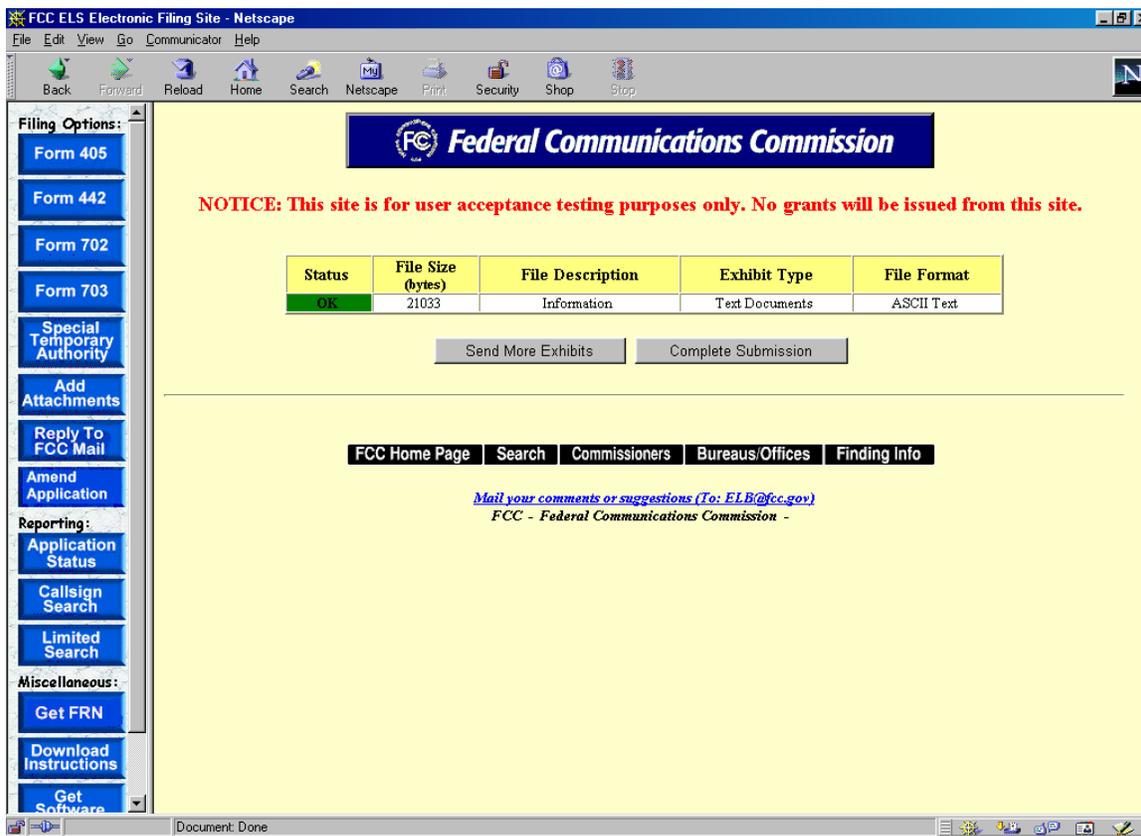


Exhibit 2-48 Exhibits Confirmation Page

The following buttons appear on the form:

Button	Action
Send More Exhibits	Click this button to send additional exhibits.
Complete Submission	Click this button to complete the submission of this application. Applicants must click on this button to indicate the application is complete, otherwise it will not be recognized by the FCC. This step is not necessary when adding attachments to an application where the COMPLETE SUBMISSION button has already been pressed.

2.8 Completing an FCC 159, Fee Remittance Advice

A fee is required for each application. This fee may be paid electronically, by mail or hand delivery.

The FCC fee payment process is initiated immediately after submitting exhibits by clicking on the **PROCEED TO FEE FORM (159)** button.

The Electronic Form 159 log-in window appears.

Electronic Form 159

For many filings the Applicant is the Payer. However, if the Payer is a third party, the Payer FRN will be different from that of the Applicant. Enter the Payer FRN and Password below.

If Payer does not have a valid FRN, you must register online in [CORES](#) and return to Form 159 to complete payment process.

Please enter your FCC Registration Number (FRN) and Password to continue

Payer's FRN

Password

To use this Form 159 you must have the Adobe Acrobat Reader® installed.
(Version 4.0 or higher)

You may [download](#) and install the reader now, or learn [more](#) from Adobe.



Note: Payer information will be pre-filled from the CORES database. We recommend verifying that your CORES registration is current.

CORES
For more information about the FRN, or to register

Exhibit 2-49 Electronic Form 159

To complete Form 159, enter the FRN number supplied with the application and the associated password, followed by selecting the **CONTINUE** button.

A payment summary window appears with the appropriate amount due. To complete the FCC 159 form, click on the **VIEW FORM 159** button. An Adobe Acrobat Reader window appears. Click in the **OPEN IT** checkbox and click on the **OK** button.

Form 159 will open in Adobe Acrobat Reader pre-filled with all of the payer and/or applicant's information. This information can not be modified. To complete the process, print out Form 159 by clicking on the Print icon or by selecting Print from the File menu option.

2.8.1 Electronic Payments

To submit payments electronically proceed to Form 159 and follow all the steps in Section 2.3. However, at the payment summary window click on the **PAY NOW** button.

NOTE: If you choose to pay electronically, you must have the 128-bit encryption version of Netscape Navigator or Internet Explorer. Also, the payer TIN and the applicant TIN must be entered.

2.8.2 Paying by Mail

To submit payments by mail proceed to Form 159 and follow all the steps in Section 2.3. Mail the 159 form and payment to the following address:

Federal Communications Commission
Equipment Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

2.8.3 Hand Delivering a Payment

To hand deliver or to use a courier service, proceed to Form 159 and follow all the steps in Section 2.3. Deliver the 159 form along with payment double enveloped as follows:

1. Address an envelope with the following address:

Federal Communications Commission
Equipment Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

2. Place in an outer envelope with the following address:

Federal Communications Commission
C/O Mellon Bank
Mellon Client Service Center
500 Ross Street, Room 670

Pittsburgh, PA 15262-0001

3. Hand deliver or submit the envelope to the 500 Ross Street address.

2.9 Responding to FCC Correspondence

As applications are being reviewed the FCC's Engineer may request additional information from the applicant, notifying them through e-mail or fax. This option allows the applicant to respond directly to the Engineer concerning the correspondence received.

To respond to correspondence received by the FCC click on the **REPLY TO FCC MAIL** button. The correspondence page appears.

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area has a yellow background and features the FCC logo and the text "Federal Communications Commission". A red notice states: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." Below this, the heading reads "Reply to Correspondence Sent by the OET ELS Branch Pertaining to a Pending Application". The user is prompted to "Please enter the following information:" and is provided with two input fields: "Form Confirmation Number:" and "Reference Number:". Below these fields is a large text area labeled "Please Enter Your Comments Below:" with a "Submit" button and a "Clear Screen" button. A navigation menu on the left includes options like "Form 405", "Form 442", "Form 703", "Special Temporary Authority", "Add Attachments", "Reply To FCC Mail", "Amend Application", "Reporting: Application Status", "Callsign Search", "Limited Search", "Miscellaneous: Get FRN", "Download Instructions", "Get Software", and "FAQ". At the bottom, there are links for "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info", along with a footer that says "Mail your comments or suggestions (To: ELB@fcc.gov) FCC - Federal Communications Commission - OET_Correspondence_Reply_Form".

Exhibit 2-50 Reply To Correspondence Page

The applicant is required to enter the confirmation number given when the application was submitted. In addition, they are required to enter the reference number that identifies the original correspondence sent. This number is located on the upper right-hand portion of the correspondence sent by the FCC.

The applicant may enter their response to the correspondence in the text block indicated. There is no limit to the amount of text that can be entered into this field. Once the applicant selects the submit button, the following checks are performed:

1. Both the confirmation number and reference number have been provided and they match the application in question.
2. The application has not already been granted.

If either of these validations fail, the applicant will receive an error message instructing them to correct the error, if possible, and resubmit the correspondence reply. If the validations pass, the following message will appear, confirming that the reply was received:



Exhibit 2-51 Reply to Correspondence Confirmation Window

The response is then associated with the application in question. If an exhibit needs to be included with this response, clicking on the **ADD ATTACHMENTS** button may perform this. Refer to the Adding Attachments/Exhibits section of this manual for details.

2.10 Amend Application

To amend a pending application or to complete an incomplete application, click on the **AMEND APPLICATION** button.

The Experimental Maintenance Form appears.



Exhibit 2-52 Experimental Maintenance Form

The following fields appear on the form:

Field	Definition
File Number	Enter the fifteen-character file number. The FCC provided this number when the application was originally submitted.
Confirmation Number	Enter the confirmation number provided by the FCC when the application was submitted.

The following buttons appear on the form:

Button	Action
Continue	Click this button to submit the file number entered.
Clear Screen	Click this button to clear the current screen.

The Experimental Maintenance page appears.



Exhibit 2-53 Experimental Maintenance Page

The following buttons appear on the form:

Button	Action
Admin Data	Click this button to modify the information on Form 442.
Antenna Data	Click this button to modify the antenna(s) and their frequencies associated with this license/authorization. For information on adding or deleting antennas and frequencies please refer to Section 2.2.
Frequency Data	Click this button to modify the frequencies associated with this license/authorization.
Attachments	Click this button to add additional exhibits to this license/authorization.

3. Experimental Licensing Reporting System

There are three types of reports that can be run:

Application Status Report – Allows you to perform a search by the application’s file number. The Application Status Report will provide you with status of an application.

Callsign Search Report – Allows you to perform a search on a specific callsign. The report provides you with several options. You may view the initial application submitted, view the current application (if applicable), view exhibits submitted, view public notes, view correspondence pertaining to the filing and view the grant issued. The report also provides the file number, applicant name, date the application was filed and the status of the application.

Limited Search Report – Allows you to perform a search based on one or all of the following: file number, callsign, applicant name, frequency range, grant date range, receipt date range or by coordinate range in degrees, minutes and seconds.

3.1 Application Status Search

To perform an application status search click on the **APPLICATION STATUS REPORT** button. The application status report form appears.

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area has a yellow background and features the Federal Communications Commission logo at the top. Below the logo, a red notice states: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." The main heading reads: "Please Enter the Following Search Criteria to Begin Execution of the Application Status Report:". There is a text input field labeled "File Number:" with a search button and a "Clear" button below it. A navigation bar at the bottom contains links for "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info". At the very bottom, there is a footer with the text: "Mail your comments or suggestions (To: ELS@fcc.gov) FCC - Federal Communications Commission - FCC OET Search Form".

Exhibit 3-1 Application Status Report Form

The following fields appear on the form:

Field	Definition
File Number	Enter the fifteen-character file number. The FCC provided this number when the application was originally submitted.

The following buttons appear on the form:

Button	Action
Start Search	Click this button to submit the file number entered and to begin executing the search.
Clear Screen	Click this button to clear the current screen.

The search results will be displayed:



Exhibit 3-2 Application Status Report

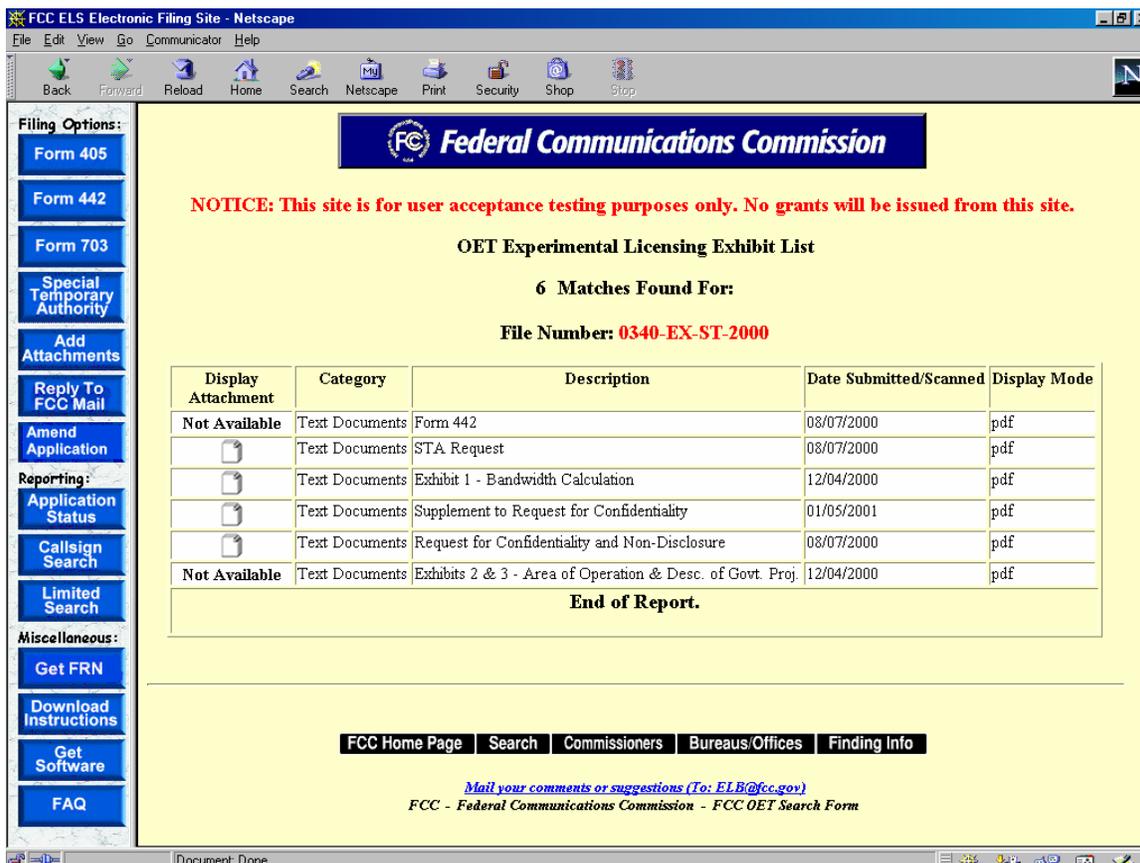
3.1.1 View Form

For electronically filed applications, the user will have the ability to view the form as it was originally filed. To view the original application, click on the [Initial Filing](#) hyperlink. If the application was filed electronically, the form will be recreated as filed. If modifications to the

application were made the option to view the current version will be available. To view the current version of the application click on the [Current Version](#) hyperlink.

3.1.2 View Exhibits

Applications submitted may have exhibits that may be viewable to the public. To view non-confidential exhibits, click on the **View Exhibits**  icon. A list of exhibits will be displayed.



Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Exhibit List

6 Matches Found For:

File Number: 0340-EX-ST-2000

Display Attachment	Category	Description	Date Submitted/Scanned	Display Mode
Not Available	Text Documents	Form 442	08/07/2000	pdf
	Text Documents	STA Request	08/07/2000	pdf
	Text Documents	Exhibit 1 - Bandwidth Calculation	12/04/2000	pdf
	Text Documents	Supplement to Request for Confidentiality	01/05/2001	pdf
	Text Documents	Request for Confidentiality and Non-Disclosure	08/07/2000	pdf
Not Available	Text Documents	Exhibits 2 & 3 - Area of Operation & Desc. of Govt. Proj.	12/04/2000	pdf

End of Report.

FCC Home Page | Search | Commissioners | Bureaus/Offices | Finding Info

[Mail your comments or suggestions \(To: ELB@fcc.gov\)](mailto:ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-3 Exhibits List

To view the contents of an exhibit, click on the **Display Attachment**  icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.1.3 View Public Notes

Applications may have comments that may be viewable to the public. To view public comments, click on the **View Public Notes**  icon. Comments will be displayed along with the date they were entered:



Exhibit 3-4 Public Notes

3.1.4 View Correspondence

Applications may have correspondence that may be viewable to the public. Correspondence may include any written or electronic communication between the Experimental Licensing Branch and the applicant. To view correspondence, click on the **View Correspondence**  icon.

A list of correspondence records will be displayed.

FCC ELS Electronic Filing Site - Netscape

File Edit View Go Communicator Help

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Branch Correspondence Report

1 Matches Found For:

Display Attachment	Category	Description	Date Submitted to FCC	Display Mode
	Correspondence	Acknowledgment generated (Oct 12, 2000)	10/13/2000	pdf

End of Report.

Show Records at a Time

Continue Search Reset Count Return to Query Form

FCC Home Page Search Commissioners Bureaus/Offices Finding Info

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-5 Correspondence List

To view the correspondence, click on the **Display Attachment**  icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.1.5 View Grant

The grants to licenses/STAs that have been approved may be viewed. To view a grant to an application, click on the **View License**  icon. A list of licenses/STAs will be displayed.

FCC ELS Electronic Filing Site - Netscape

File Edit View Go Communicator Help

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Branch Grant List

1 Matches Found For:

Display Attachment	Category	Description	Date Submitted to FCC	Display Mode
	Grant	Grant Generated [Nov 28, 2000]	11/28/2000	pdf

End of Report.

Show Records at a Time

Continue Search Reset Count Return to Query Form

[FCC Home Page](#) [Search](#) [Commissioners](#) [Bureaus/Offices](#) [Finding Info](#)

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-6 License/STA list

Multiple licenses/STAs may appear for the same file number in the case of a superceded licenses, or if a minor modification to the license/STA information has been made. To view the contents of a license/STA, click on the **Display Attachment**  icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.2 Callsign Search

To perform a callsign search click on the **CALLSIGN SEARCH** button. The callsign search report form appears.



Exhibit 3-7 Callsign Search Form

The following fields appear on the form:

Field	Definition
Callsign	Enter the callsign.

The following buttons appear on the form:

Button	Action
Start Search	Click this button to submit the file number entered and to begin executing the search.
Clear Screen	Click this button to clear the current screen.

The search results will be displayed:

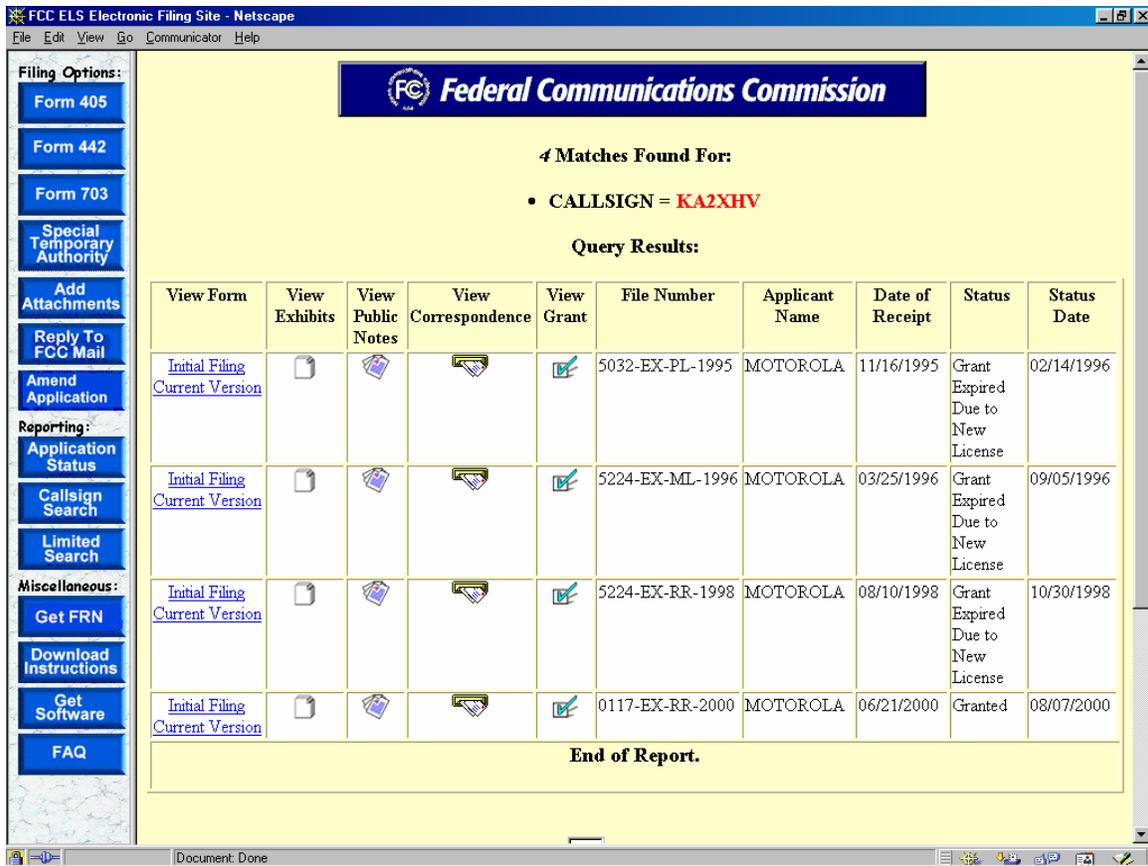


Exhibit 3-8 Callsign Search Results

3.2.1 View Form

For electronically filed applications, the user will have the ability to view the form as it was originally filed. To view the original application click on the [Initial Filing](#) hyperlink. If the application was filed electronically, the form will be recreated as filed. If modifications to the application were made the option to view the current version will be available. To view the current version of the application click on the [Current Version](#) hyperlink.

3.2.2 View Exhibits

Applications submitted may have exhibits that may be viewable to the public. To view non-confidential exhibits, click on the **View Exhibits** icon. A list of exhibits will be displayed.

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Exhibit List

6 Matches Found For:

File Number: 0340-EX-ST-2000

Display Attachment	Category	Description	Date Submitted/Scanned	Display Mode
Not Available	Text Documents	Form 442	08/07/2000	pdf
	Text Documents	STA Request	08/07/2000	pdf
	Text Documents	Exhibit 1 - Bandwidth Calculation	12/04/2000	pdf
	Text Documents	Supplement to Request for Confidentiality	01/05/2001	pdf
	Text Documents	Request for Confidentiality and Non-Disclosure	08/07/2000	pdf
Not Available	Text Documents	Exhibits 2 & 3 - Area of Operation & Desc. of Govt. Proj.	12/04/2000	pdf

End of Report.

[FCC Home Page](#) | [Search](#) | [Commissioners](#) | [Bureaus/Offices](#) | [Finding Info](#)

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-9 Exhibits List

To view the contents of an exhibit, click on the **Display Attachment** icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.2.3 View Public Notes

Applications may have comments that may be viewable to the public. To view public comments, click on the **View Public Notes** icon. Comments will be displayed along with the date they were entered:

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The page header features the FCC logo and the text "Federal Communications Commission". A red notice states: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." Below this is the heading "OET Experimental Licensing Branch Public Notes Report".

The search results show "1 Matches Found For:"

Date Entered	Comment
08/04/2000	Reconstructed application. Lost due to database crash.

Below the table, it says "End of Report." and "Show 1 Records at a Time". At the bottom of the search results area are three buttons: "Continue Search", "Reset Count", and "Return to Query Form".

The left sidebar contains several sections: "Filing Options" with buttons for Form 405, Form 442, Form 703, Special Temporary Authority, Add Attachments, Reply To FCC Mail, and Amend Application; "Reporting" with buttons for Application Status, Callsign Search, and Limited Search; and "Miscellaneous" with buttons for Get FRN, Download Instructions, Get Software, and FAQ.

At the bottom of the page, there is a navigation bar with links: "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info". Below this is a link: "Mail your comments or suggestions (To: ELB@fcc.gov)" and the text "FCC - Federal Communications Commission - FCC OET Search Form".

Exhibit 3-10 Public Notes

3.2.4 View Correspondence

Applications may have correspondence that may be viewable to the public. Correspondence may include any written or electronic communication between the Experimental Licensing Branch and the applicant. To view correspondence, click on the **View Correspondence**  icon.

A list of correspondence records will be displayed.

FCC ELS Electronic Filing Site - Netscape

File Edit View Go Communicator Help

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Call Sign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Branch Correspondence Report

1 Matches Found For:

Display Attachment	Category	Description	Date Submitted to FCC	Display Mode
	Correspondence	Acknowledgment generated (Oct 12, 2000)	10/13/2000	pdf

End of Report.

Show Records at a Time

Continue Search Reset Count Return to Query Form

FCC Home Page Search Commissioners Bureaus/Offices Finding Info

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-11 Correspondence List

To view the correspondence, click on the **Display Attachment**  icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.2.5 View Grant

The grants to licenses/STAs that have been approved may be viewed. To view a grant to an application, click on the **View License**  icon. A list of licenses/STAs will be displayed.

FCC ELS Electronic Filing Site - Netscape

File Edit View Go Communicator Help

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Branch Grant List

1 Matches Found For:

Display Attachment	Category	Description	Date Submitted to FCC	Display Mode
	Grant	Grant Generated [Nov 28, 2000]	11/28/2000	pdf

End of Report.

Show Records at a Time

Continue Search Reset Count Return to Query Form

FCC Home Page Search Commissioners Bureaus/Offices Finding Info

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-12 License/STA list

Multiple licenses/STAs may appear for the same file number in the case of a superceded licenses, or if a minor modification to the license/STA information has been made. To view the contents of a license/STA, click on the **Display Attachment** icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.3 Limited Search Query

The Limited Search query is designed to allow the user a more flexible approach to searching for information in the Experimental Licensing Branch database.

To perform a Limited Search click on the **LIMITED SEARCH** button. The limited search report form appears.

Exhibit 3-13 Limited Search Form

The following fields appear on the form:

Field	Definition
File Number	Enter the fifteen-character file number. The FCC provided this number when the application was originally submitted.
Callsign	Enter the callsign.
Applicant Name	Enter the name of the applicant to be examined. This is what's known as a wild card search. To use a wild card search, only enter the portion of the name on which you wish to search, and the application will retrieve records with applicants who's name contains the value entered.
Frequency Range	There are three options with this search criteria. <ol style="list-style-type: none"> 1. Enter only lower frequency – If only lower frequency is entered, only records containing a transmitter using exactly that lower frequency will be returned. 2. Enter only upper frequency – If only upper frequency is entered, only records containing a transmitter using exactly that upper frequency will be returned. 3. Enter both lower and upper frequency. If both lower and upper

Field	Definition
	frequencies are entered, records will be retrieved which contain a transmitter that transmits between the lower and upper frequency. BOTH upper and lower frequency must be within the bounds specified.
Grant Date Range	There are three options when using this search criteria: <ol style="list-style-type: none"> 1. Enter only Begin Grant Date – If only the begin grant date is entered, only records granted after the date specified will be returned. 2. Enter only End Grant Date – If only an end grant date is entered, only records granted prior to or equal to the date specified will be returned. 3. Enter both Begin and End Grant Date – If both begin and an end grant date are entered, records will be retrieved which were granted between the dates specified.
Receipt Date Range	There are three options when using this search criteria: <ol style="list-style-type: none"> 1. Enter only Begin Receipt Date – If only a begin receipt date is entered, only records received after the date specified will be returned. 2. Enter only End Receipt Date – If only an end receipt date is entered, only records received prior to or equal to the date specified will be returned. 3. Enter both Begin and End Receipt Date – If both a begin and an end receipt date are entered, records will be retrieved which were received between the dates specified
Coordinate Range	There are three options with this search criteria. <ol style="list-style-type: none"> 1. Enter only lower lat/long – If only lower lat/long is entered, only records containing a transmitter with a lat/long greater than the values entered will be returned. 2. Enter only upper lat/long – If only upper lat/long is entered, only records containing a transmitter with a lat/long less than the values entered will be returned. 3. Enter both lower and upper lat/long. If both lower and upper lat/long are entered, records will be retrieved which contain a transmitter located EITHER above the lower lat/long or below the upper lat/long. This isn't a BOX search.

The following buttons appear on the form:

Button	Action
Start Search	Click this button to submit the file number entered and to begin executing the search.
Clear Screen	Click this button to clear the current screen.

The search results will be displayed:

FCC ELS Electronic Filing Site - Netscape

File Edit View Go Communicator Help

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

1 Matches Found For:

- ID_FILE_NUM = **0117-EX-RR-2000**

Query Results:

View Form	View Exhibits	View Public Notes	View Correspondence	View Grant	File Number	Applicant Name	Date of Receipt	Status	Status Date
Initial Filing Current Version					0117-EX-RR-2000	MOTOROLA	06/21/2000	Granted	08/07/2000

End of Report.

Show Records at a Time

Continue Search Reset Count Return to Query Form

[FCC Home Page](#) [Search](#) [Commissioners](#) [Bureaus/Offices](#) [Finding Info](#)

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-14 Limited Search Results

3.3.1 View Form

For electronically filed applications, the user will have the ability to view the form as it was originally filed. To view the original application, click on the [Initial Filing](#) hyperlink. If the application was filed electronically, the form will be recreated as filed. If modifications to the application were made the option to view the current version will be available. To view the current version of the application click on the [Current Version](#) hyperlink.

3.3.2 View Exhibits

Applications submitted may have exhibits that may be viewable to the public. To view non-confidential exhibits, click on the **View Exhibits** icon. A list of exhibits will be displayed.

Filing Options:

- Form 405
- Form 442
- Form 703
- Special Temporary Authority
- Add Attachments
- Reply To FCC Mail
- Amend Application

Reporting:

- Application Status
- Callsign Search
- Limited Search

Miscellaneous:

- Get FRN
- Download Instructions
- Get Software
- FAQ

Federal Communications Commission

NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site.

OET Experimental Licensing Exhibit List

6 Matches Found For:

File Number: 0340-EX-ST-2000

Display Attachment	Category	Description	Date Submitted/Scanned	Display Mode
Not Available	Text Documents	Form 442	08/07/2000	pdf
	Text Documents	STA Request	08/07/2000	pdf
	Text Documents	Exhibit 1 - Bandwidth Calculation	12/04/2000	pdf
	Text Documents	Supplement to Request for Confidentiality	01/05/2001	pdf
	Text Documents	Request for Confidentiality and Non-Disclosure	08/07/2000	pdf
Not Available	Text Documents	Exhibits 2 & 3 - Area of Operation & Desc. of Govt. Proj.	12/04/2000	pdf

End of Report.

[FCC Home Page](#) | [Search](#) | [Commissioners](#) | [Bureaus/Offices](#) | [Finding Info](#)

Mail your comments or suggestions (To: ELB@fcc.gov)
 FCC - Federal Communications Commission - FCC OET Search Form

Exhibit 3-15 Exhibits List

To view the contents of an exhibit, click on the **Display Attachment** icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.3.3 View Public Notes

Applications may have comments that may be viewable to the public. To view public comments, click on the **View Public Notes** icon. Comments will be displayed along with the date they were entered:

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area has a yellow background and features the Federal Communications Commission logo at the top. A red notice states: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." Below this is the heading "OET Experimental Licensing Branch Public Notes Report".

The report shows "1 Matches Found For:" and a table with the following data:

Date Entered	Comment
08/04/2000	Reconstructed application. Lost due to database crash.

Below the table, it says "End of Report." and "Show 1 Records at a Time". At the bottom of the report area are three buttons: "Continue Search", "Reset Count", and "Return to Query Form".

The left sidebar contains several sections: "Filing Options" (Form 405, Form 442, Form 703, Special Temporary Authority, Add Attachments, Reply To FCC Mail, Amend Application), "Reporting" (Application Status, Callsign Search, Limited Search), and "Miscellaneous" (Get FRN, Download Instructions, Get Software, FAQ). At the bottom of the page, there are navigation links: "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info". A footer note says: "Mail your comments or suggestions (To: ELB@fcc.gov) FCC - Federal Communications Commission - FCC OET Search Form".

Exhibit 3-16 Public Notes

3.3.4 View Correspondence

Applications may have correspondence that may be viewable to the public. Correspondence may include any written or electronic communication between the Experimental Licensing Branch and the applicant. To view correspondence, click on the **View Correspondence**  icon.

A list of correspondence records will be displayed.

The screenshot shows a Netscape browser window titled "FCC ELS Electronic Filing Site - Netscape". The main content area is yellow and features the Federal Communications Commission logo at the top. Below the logo is a red notice: "NOTICE: This site is for user acceptance testing purposes only. No grants will be issued from this site." The page title is "OET Experimental Licensing Branch Correspondence Report". It displays "1 Matches Found For:" followed by a table with the following data:

Display Attachment	Category	Description	Date Submitted to FCC	Display Mode
	Correspondence	Acknowledgment generated (Oct 12, 2000)	10/13/2000	pdf

Below the table, it says "End of Report." and "Show 1 Records at a Time". At the bottom of the table area are buttons for "Continue Search", "Reset Count", and "Return to Query Form". The footer contains links for "FCC Home Page", "Search", "Commissioners", "Bureaus/Offices", and "Finding Info", along with contact information: "Mail your comments or suggestions (To: ELB@fcc.gov)" and "FCC - Federal Communications Commission - FCC OET Search Form". A sidebar on the left contains various navigation options like "Form 405", "Form 442", "Form 703", "Special Temporary Authority", "Add Attachments", "Reply To FCC Mail", "Amend Application", "Reporting: Application Status", "Call sign Search", "Limited Search", "Miscellaneous: Get FRN", "Download Instructions", "Get Software", and "FAQ".

Exhibit 3-17 Correspondence List

To view the correspondence, click on the **Display Attachment**  icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

3.3.5 View Grant

The grants to licenses/STAs that have been approved may be viewed. To view a grant to an application, click on the **View License**  icon. A list of licenses/STAs will be displayed.



Exhibit 3-18 License/STA list

Multiple licenses/STAs may appear for the same file number in the case of a superceded licenses, or if a minor modification to the license/STA information has been made. To view the contents of a license/STA, click on the **Display Attachment**  icon.

As directed, to view the image either wait 5 seconds or click on the hyperlink displayed. The image will be loaded in Acrobat Reader if it's PDF document or will be displayed in its native format if the document is a JPEG.

4. Miscellaneous Functions

Following are additional functionalities available in the ELS web application.

4.1 Frequently Asked Questions

Frequently Asked Questions (FAQ's) have been provided to address common problems. To access the FAQ's click on the **FAQ** button available at the OET Equipment Authorization Electronic Filing web page.

4.2 FCC Registration Number

Every entity doing business with the FCC that wishes to obtain a license, certificate, or submit FCC Remittance Advice Form 159 must obtain an FCC Registration Number (FRN) from the Commission's Entity Registration System (CORES)

If you do not have an FRN, you must register with CORES. Enter information about the entity and CORES will assign an FRN. The FRN and password will be displayed on the registration confirmation page. Print the registration confirmation for future reference.

NOTE: The FRN is not the same as the TIN, EIN or Correspondence Reference Number.

4.3 Downloading Instructions

To download instructions on how to use the ELS web application click on the **DOWNLOAD INSTRUCTIONS** button. Adobe Acrobat Reader will open the ELS web application user manual. The manual may be viewed on-line or it can be printed.

4.4 Downloading Required Software

The ELS web application uses the following software:

- Adobe Acrobat Reader
- Internet Explorer
- Netscape

NOTE: If you choose to pay electronically, you must have the 128-bit encryption version of Netscape Navigator or Internet Explorer.

To download any of the above necessary software click on the **DOWNLOAD SOFTWARE** button.